WASHINGTON STATE PATROL - TOXICOLOGY LABORATORY DIVISION
2203 Airport Way S, Suite 360 SEATTLE, WA 98134

AN ACCLA/LAB-International ACCREDITED LABORATORY
SINCE 11/18/2009

EXTERNAL STANDARD SOLUTION TEST REPORT

BATCH REPORT: 12014

CUSTOMER INFORMATION
Washington State Patrol – Breath Test Program
811 East Roanoke SEATTLE, WA 98102

TESTING PROCEDURE USED: TLD Technical Manual, Chapter 4.0 Certification of Simulator Solutions; Headspace-Gas Chromatography.

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 03/20/2012
BATCH UNITS: g/100mL

IDENTITY: External Standard Solution
PREPARED BY: Brittany Ball

	BB	BEO	AJL	LN	CSJ	DC	JLK	NN
1	0.106	0.103	0.103	0.101	0.102	0.104	0.104	0.103
2	0.105	0.104	0.102	0.101	0.103	0.106	0.105	0.102
3	0.104	0.105	0.105	0.102	0.103	0.103	0.105	0.102
4	0.105	0.104	0.104	0.103	0.103	0.103	0.104	0.102
5	0.104	0.105	0.102	0.101	0.103	0.103	0.104	0.102
C	0.103	0.102	0.102	0.099	0.101	0.101	0.100	0.101

ETHANOL CONTROL INFORMATION
LOT NUMBER: A083355 EXPIRATION: 12/2015 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1034 g/100mL
STANDARD DEVIATION: 0.00133
PRECISION CV (%): 1.29
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0840 g/210L**
EXPANDED UNCERTAINTY: ± 0.0034 (k=2, 95% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton FS-5
Melissa L. Pemberton Forensic Scientist Supervisor

4.13.2012
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
BB	Brittany Ball	Brittany Ball	03/20/2012
BEO	Brianne E. O'Reilly	Brianne O'Reilly	03/20/2012
AJL	Asa J. Louis		03/21/2012
LN	Lisa Noble		03/21/2012
CSJ	Christopher S. Johnston		03/23/2012
DC	Dawn Cox		03/26/2012
JLK	Justin L. Knoy		03/27/2012
NN	Naziha Nuwayhid		04/03/2012

This report applies only to the item being tested and shall not be reproduced except in full, without the written approval of the WSP Toxicology Laboratory Division.

Washington State Patrol - Toxicology Laboratory Division
ESS Test Report Calculation Record

External Standard Solution Batch #: 12014 **Date Prepared:** 3/20/2012

Analyst:	BB	BEO	AJL	LN	CSJ	DC	JLK	NN
Date Tested:	3/20/2012	3/20/2012	3/21/2012	3/21/2012	3/23/2012	3/26/2012	3/27/2012	4/3/2012
Instrument:	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3	HS#3
1	0.106	0.103	0.103	0.101	0.102	0.104	0.104	0.103
2	0.105	0.104	0.102	0.101	0.103	0.106	0.105	0.102
3	0.104	0.105	0.105	0.102	0.103	0.103	0.105	0.102
4	0.105	0.104	0.104	0.103	0.103	0.103	0.104	0.102
5	0.104	0.105	0.102	0.101	0.103	0.103	0.104	0.102
C	0.103	0.102	0.102	0.099	0.101	0.101	0.100	0.101

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0001664590	0.0001519197	0.0001016326

Ethanol Control Lot #: A083355
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.1034 g/100mL
Standard Deviation: 0.00133 g/100mL
Precision CV (%): 1.29
Equivalent Vapor Concentration: 0.0840 g/210L
Combined Standard Uncertainty (±): 0.0017 g/210L
Expanded Uncertainty (±): 0.0034 coverage factor (k) =2 (95% level of confidence)

Calculations performed by: Melissa L. Pemberton [signature] 4.5.2012
Name Signature Date

Calculations verified by: Jason Skleren [signature] April 12 2012 Method: Hand Calculator
Name Signature Date

Technical review of batch file performed by:

Melissa L. Pemberton [signature] 4.11.12
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Jason Skleirov **Date:** 4/12/12

Location: WSP-FLSB; Seattle, WA **Solution Batch Number:** 12014

	YES	NO	N/A
Analysis dates do not precede preparation date:	☒	☐	☐
Declarations signed and properly dated:	☒	☐	☐
Data entry corresponds to all chromatograms:	☒	☐	☐
All signatures present on Test Report:	☒	☐	☐
Average solution concentration correct:	☒	☐	☐
Standard deviation correct:	☒	☐	☐
CV (%) correct:	☒	☐	☐
Equivalent vapor concentration correct:	☒	☐	☐
All chromatograms and sequences included in file:	☒	☐	☐
Ethanol control information present: (lot # present & used within expiration)	☒	☐	☐
Complies with accuracy and precision requirements established by the State Toxicologist:	☒	☐	☐

Comments:

Reviewer Signature: (SKLEIROV) **Date:** 4-12-12

Reviewer Signature: N/A. JTB 4-12-12 **Date:**

WSP-TLD COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET

FILE A COPY IN THE BATCH FILE FOR EACH SOLUTION LISTED ON THE WORKSHEET

Preparation Date: 3/20/2012 Initials of Preparer: BB

Expiration Date: 3/20/2013

Lot # of 200-proof Ethanol used in preparation: ZW0039

Date the 200-proof Ethanol bottle was opened: 3/20/2012

After opening, each bottle of 200-proof Ethanol is approved for use for 6 months unless an extension is approved by the State Toxicologist. This timeframe applies to the 200-proof Ethanol only, not to simulator solutions which have a 1 year expiration.

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☐	
QAP 0.08	22.4	18	☐	
QAP 0.10	28.1	18	☐	
QAP 0.15	42.0	18	☐	
ESS	66.5	52	☑	12014

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 3/21/12 Date

If different ethanol lot numbers are used in the preparation of solutions, record them and the corresponding solution batch numbers in the comments section.

Comments:

Brittany Ball
Analyst Signature

~~3/20/2012~~ BB 3/21/2012
Date

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

Please check that the data on your chromatograms is the data entered into the Test Report, that the date to the right of your name is the date that you tested the solution, and then sign the Test Report.

Please initial and date below to affirm that you have:

1) Checked your data
2) Checked the date to the right of your name on the Test Report
3) Signed the Test Report

	Initials	Date
Amanda Black		
Asa Louis	A	2012 Apr 06
Brian Capron		
Brianna Peterson		
Brianne O'Reilly	BOO	4·6·12
Brittany Ball	BB	4-6-12
Christie Mitchell-Mata		
Christopher Johnston	CJ	4·6·12
Dawn Cox	DC	4·6·12
Justin Knoy	JK	4·6·12
Lisa Noble	LN	4/6/12
Melissa Pemberton		
Naziha Nuwayhid	NN	4/6/12
Rebecca Flaherty		
Sarah Swenson		

Batch # 12014

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12014

I, Brittany Ball, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biology and a Masters in Forensic Science.

The external standard solution, Lot Number 12014, was prepared in the Washington State Toxicology Laboratory on 3/20/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 3/20/2013.

Seattle, WA

Brittany Ball 4/6/12

Brittany Ball — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12014

I, Brianne E. O'Reilly, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biology and MS degree in Veterinary Medical Sciences.

The external standard solution, Lot Number 12014, was prepared in the Washington State Toxicology Laboratory on 3/20/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 3/20/2013.

Seattle, WA

Brianne E. O'Reilly 4·6·2012

Brianne E. O'Reilly Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12014

I, Asa J. Louis, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: B.S. degree in Biochemistry and over ten years of toxicology experience.

The external standard solution, Lot Number 12014, was prepared in the Washington State Toxicology Laboratory on 3/20/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 3/20/2013.

Seattle, WA

2012 Apr 06

Asa J. Louis — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12014

I, Lisa Noble, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biochemistry and five years laboratory experience in forensic toxicology.

The external standard solution, Lot Number 12014, was prepared in the Washington State Toxicology Laboratory on 3/20/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 3/20/2013.

Seattle, WA

Lisa Noble 4/6/12

Lisa Noble Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12014

I, Christopher S. Johnston, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biochemistry.

The external standard solution, Lot Number 12014, was prepared in the Washington State Toxicology Laboratory on 3/20/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 3/20/2013.

Seattle, WA

4/6/12

Christopher S. Johnston — Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12014

I, Dawn Cox, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS in Forensic Chemistry and over nine years of experience in the field of toxicology.

The external standard solution, Lot Number 12014, was prepared in the Washington State Toxicology Laboratory on 3/20/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 3/20/2013.

Seattle, WA

Dawn Cox 4·6·12

Dawn Cox Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12014

I, Justin L. Knoy, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biology, and MS degree in Forensic Science.

The external standard solution, Lot Number 12014, was prepared in the Washington State Toxicology Laboratory on 3/20/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 3/20/2013.

Seattle, WA

4-6-12

Justin L. Knoy — Date
Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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DATAMASTER 0.08 EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 12014

I, Naziha Nuwayhid, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: Bachelor and Masters Degrees in Biology, Ph.D. degree in Basic Medical Science, ten years experience in clinical laboratory sciences, one year in clinical toxicology and more than ten years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The external standard solution, Lot Number 12014, was prepared in the Washington State Toxicology Laboratory on 3/20/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 3/20/2013.

Seattle, WA

4/6/12

Naziha Nuwayhid Date

Forensic Toxicologist

Sequence Parameters:

Operator:	Brittany Ball
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120320BB
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot#E0112-01
3	Vial 3	Lot#E0112-02
4	Vial 4	Lot#E0112-03
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

12014

BB

original sequence ran on 3/20/12 but sequence reprinted on 4/5/12 BB

Sequence: C:\HPCHEM\2\SEQUENCE\BBSIM3.S

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK-BB	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG Ctrl-BB	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 Ctrl-BB	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 Ctrl-BB	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 Ctrl-BB	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG Ctrl-BB	SIMALC3	1	Ctrl Samp		
10	Vial 10	12014 #1-BB	SIMALC3	1	Sample		
11	Vial 11	12014 #2-BB	SIMALC3	1	Sample		
12	Vial 12	12014 #3-BB	SIMALC3	1	Sample		
13	Vial 13	12014 #4-BB	SIMALC3	1	Sample		
14	Vial 14	12014 #5-BB	SIMALC3	1	Sample		
15	Vial 15	0.10 Ctrl-BB	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG Ctrl-BB	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12014

BB

Calibration Table

Calib. Data Modified : Tuesday, March 20, 2012 12:20:41 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.028	1	1	7.90200e-2	638.77197	1.23706e-4	1		Ethanol
		2	1.58720e-1	1252.49023	1.26724e-4			
		3	3.17800e-1	2514.32764	1.26396e-4			
1.761	1	1	1.00000	1630.12134	6.13451e-4	I1		n-Propanol
		2	1.00000	1609.46875	6.21323e-4			
		3	1.00000	1624.02283	6.15755e-4			

Peak Sum Table

No Entries in table

BB

12014

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Calibration Curves

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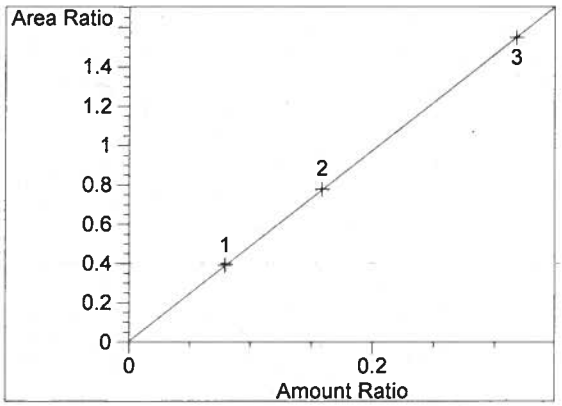
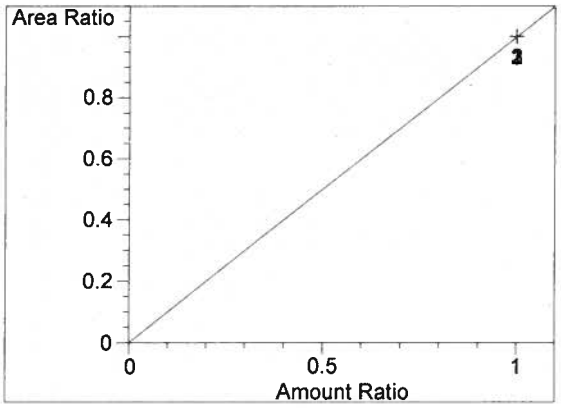


Ethanol at exp. RT: 1.028
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00420
Formula: y = mx + b
m: 4.86596
b: 3.75745e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.761
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

BB

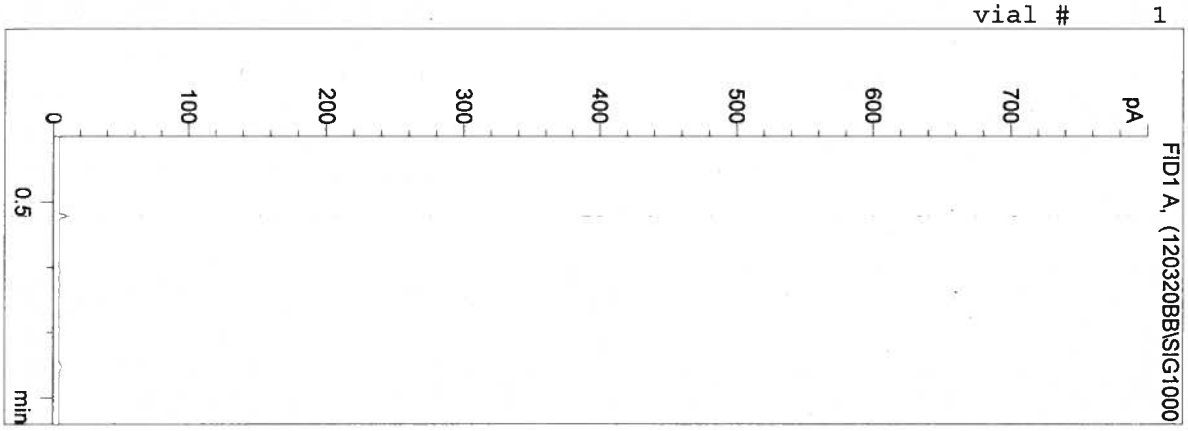
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/20/2012 12:09:06 PM
Instrument 3
DB-ALC2

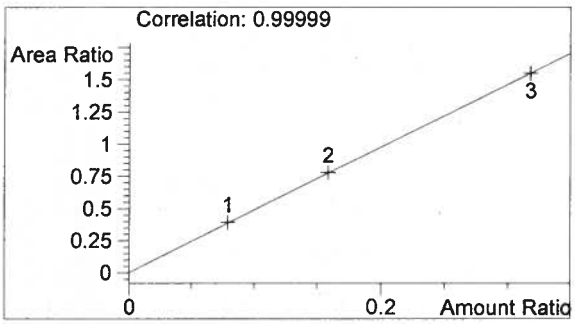
BLANK-BB
Brittany Ball

vial # 1

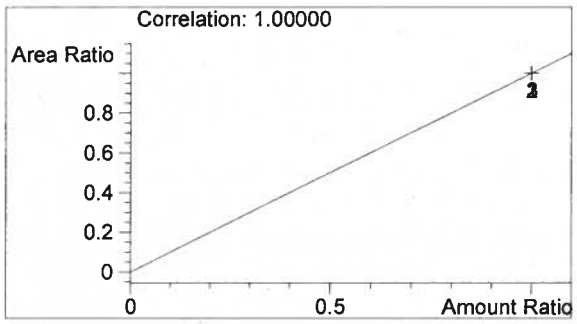


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

BB

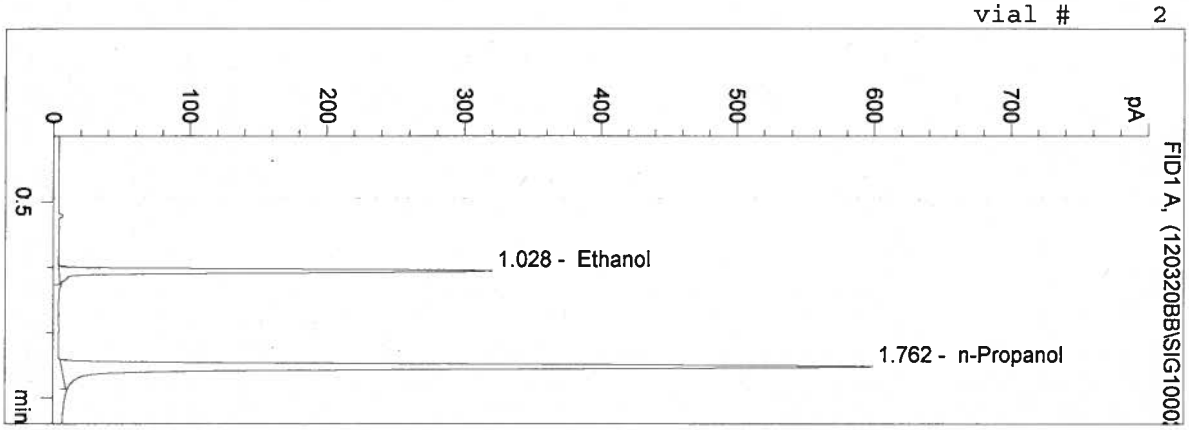
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/20/2012 12:12:13 PM
Instrument 3
DB-ALC2

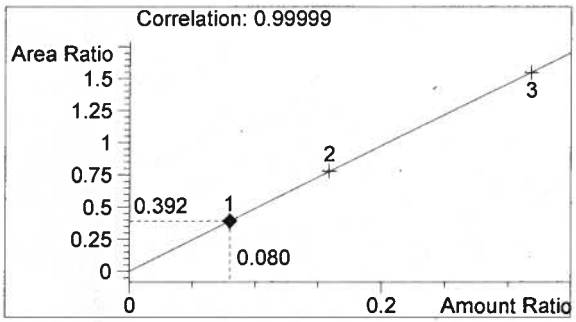
0.079 CAL 1
Brittany Ball

vial # 2

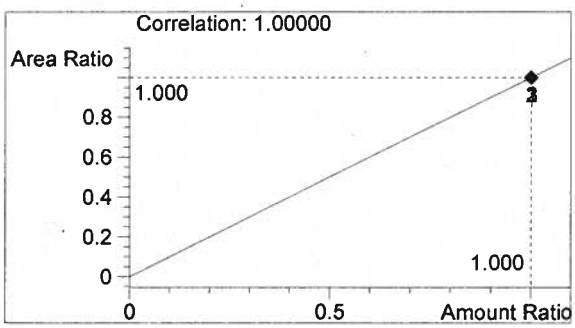


#	Compound	Area	RT
1	Ethanol	639	1.028
2	n-Propanol	1630	1.762

Totals:



Ethanol 0.080 g/100ml



n-Propanol 1.000 g/100ml

BB

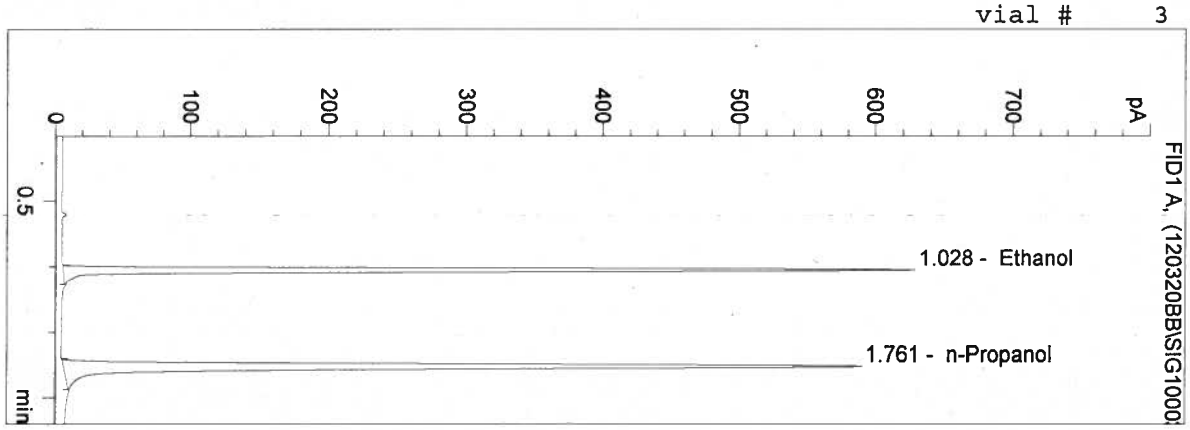
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/20/2012 12:15:21 PM
Instrument 3
DB-ALC2

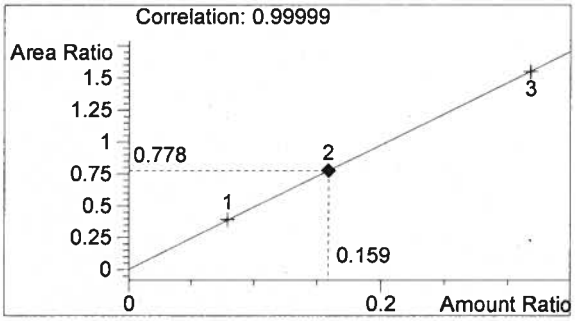
0.158 CAL 2
Brittany Ball

vial # 3

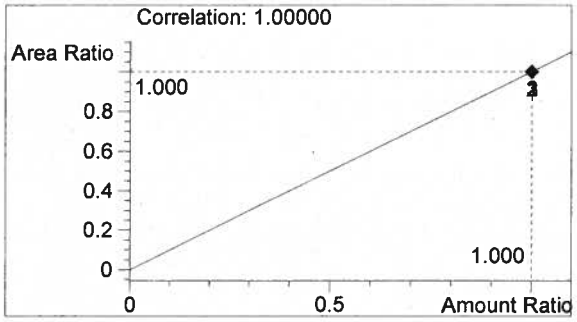


#	Compound	Area	RT
1	Ethanol	1252	1.028
2	n-Propanol	1609	1.761

Totals:



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

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12014

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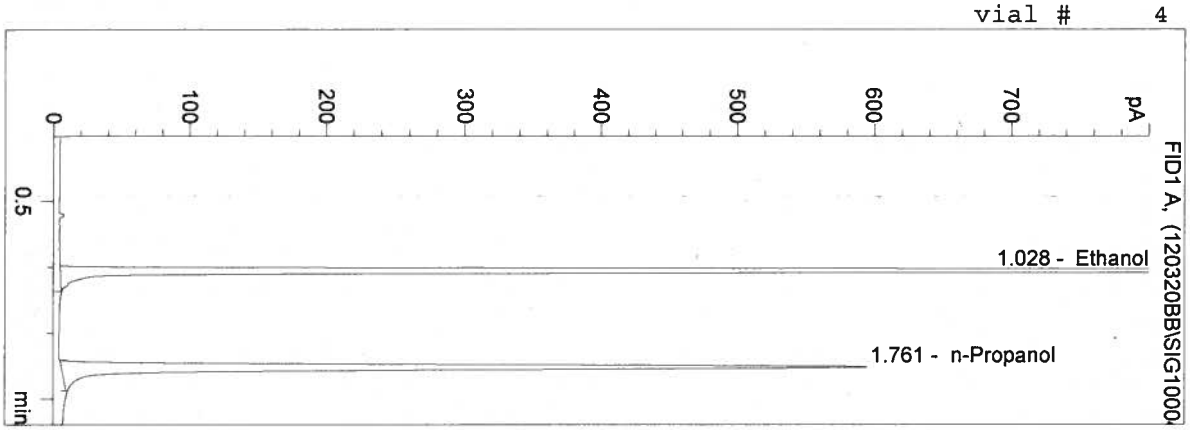
C:\HPCHEM\2\METHODS\SIMALC3.M
3/20/2012 12:18:28 PM
Instrument 3
DB-ALC2

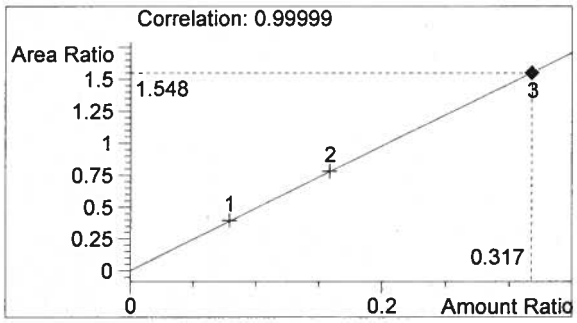
0.316 CAL 3
Brittany Ball

vial # 4

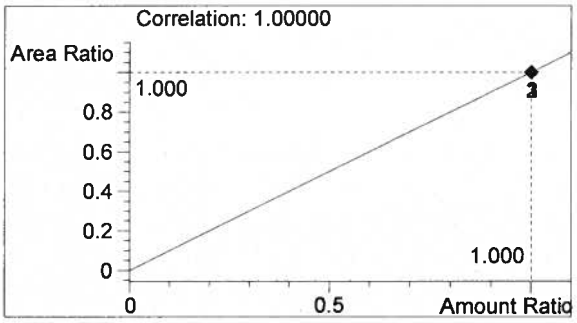


#	Compound	Area	RT
1	Ethanol	2514	1.028
2	n-Propanol	1624	1.761

Totals:



Ethanol 0.317 g/100ml



n-Propanol 1.000 g/100ml

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12014

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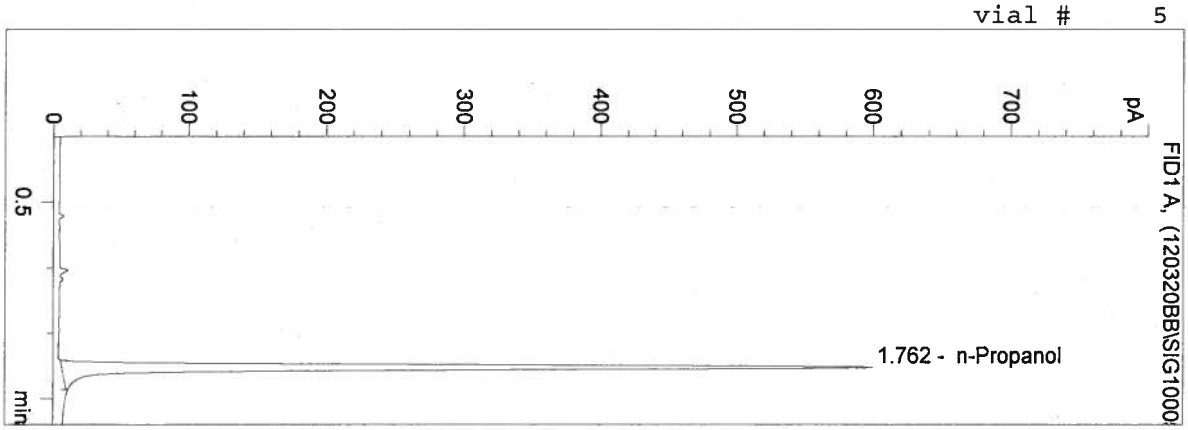
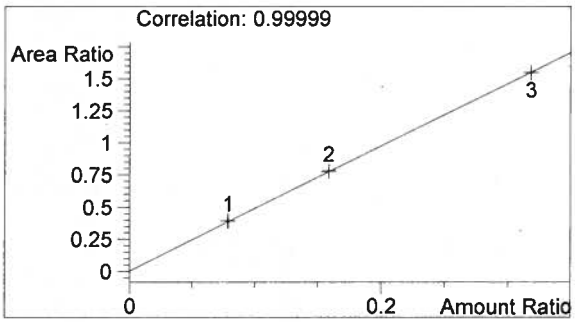
3/20/2012 12:21:36 PM
Instrument 3
DB-ALC2

NEG Ctrl-BB
Brittany Ball

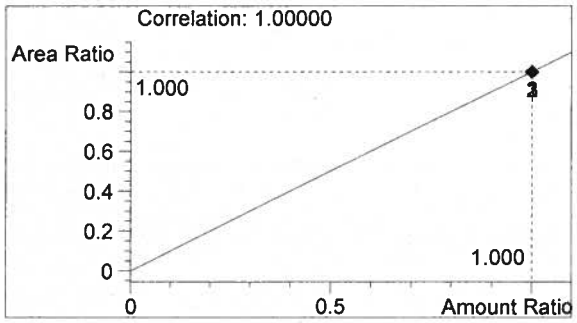
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1637	1.762
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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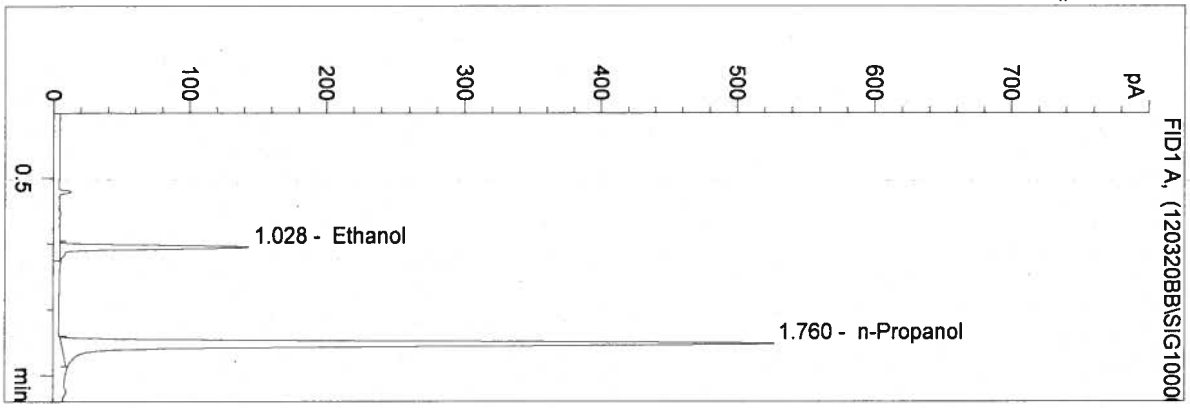
3/20/2012 12:24:44 PM
Instrument 3
DB-ALC2

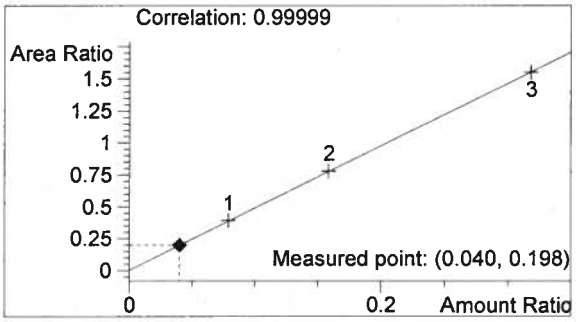
0.04 Ctrl-BB
Brittany Ball

vial # 6

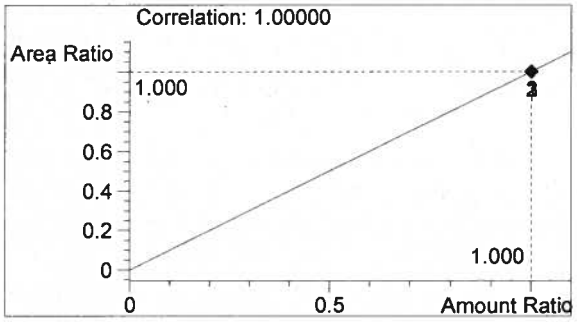


#	Compound	Area	RT
1	Ethanol	288	1.028
2	n-Propanol	1452	1.760

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

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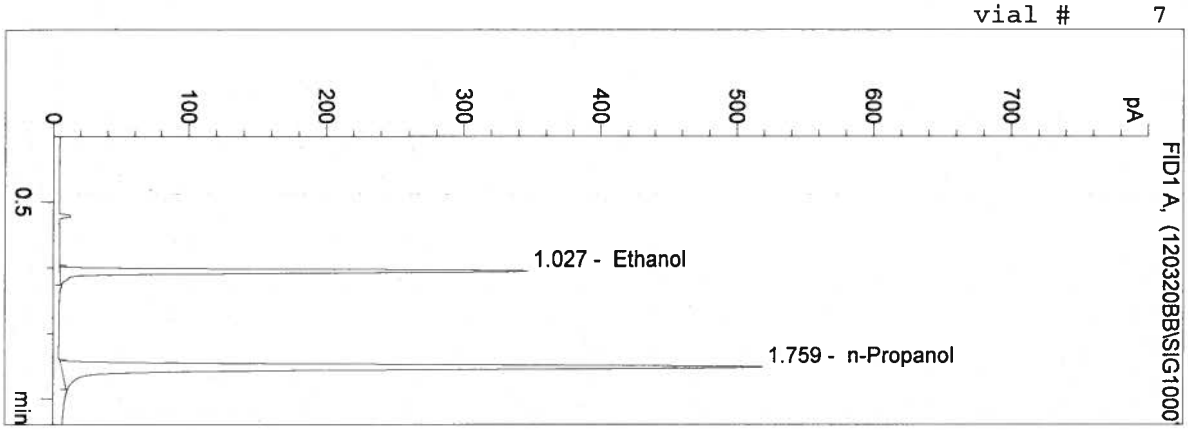
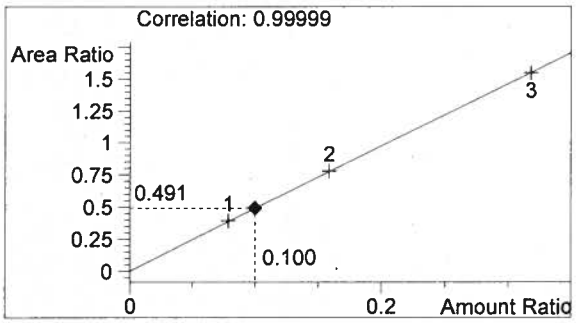
Instrument 3
DB-ALC2

0.10 Ctrl-BB
Brittany Ball

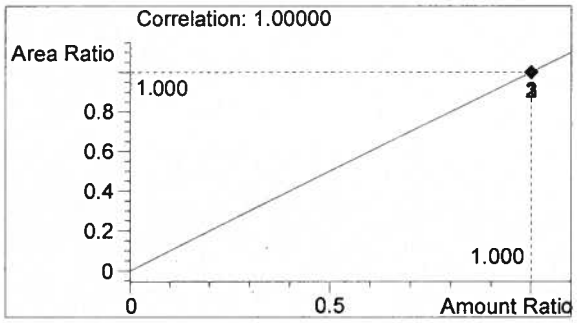
vial # 7



#	Compound	Area	RT
1	Ethanol	702	1.027
2	n-Propanol	1430	1.759
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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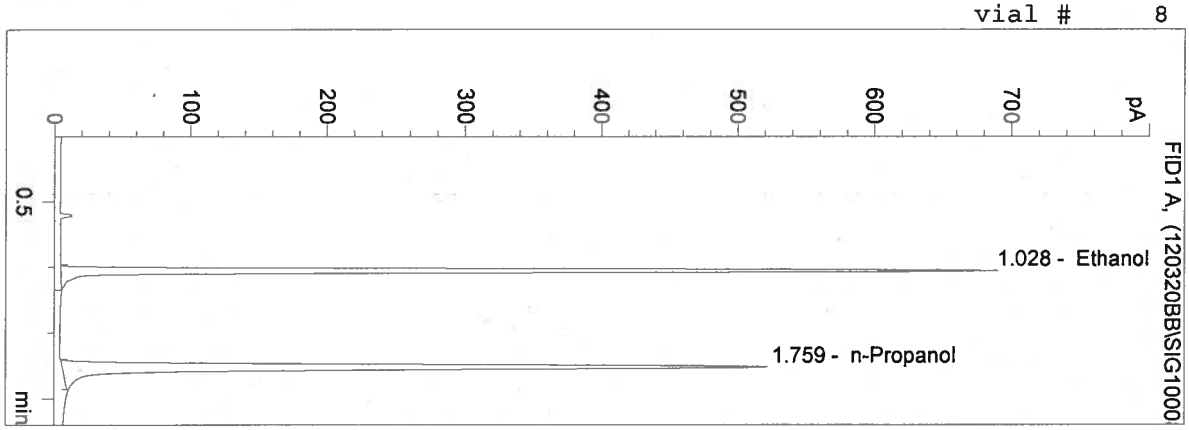
3/20/2012 12:30:59 PM
Instrument 3
DB-ALC2

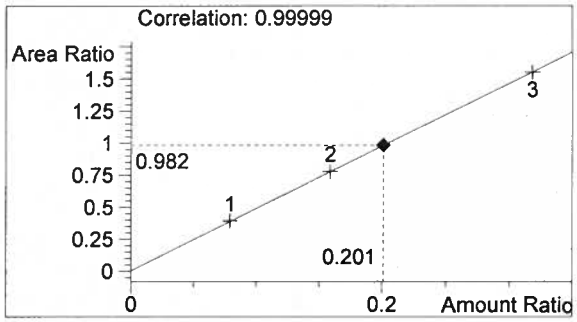
0.20 Ctrl-BB
Brittany Ball

vial # 8

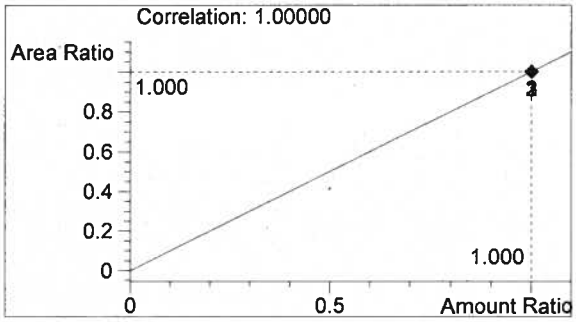


#	Compound	Area	RT
1	Ethanol	1409	1.028
2	n-Propanol	1435	1.759

Totals:



Ethanol 0.201 g/100ml



n-Propanol 1.000 g/100ml

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12014

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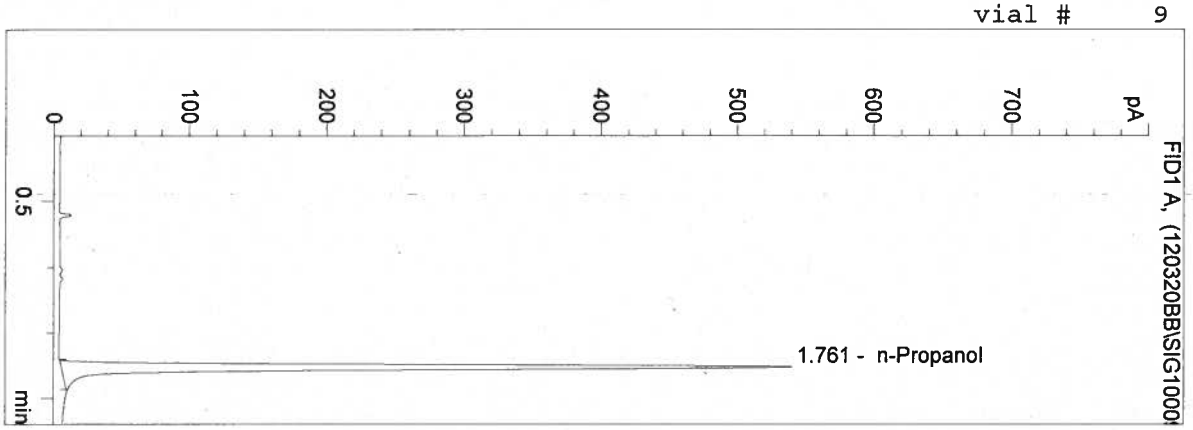
3/20/2012 12:34:07 PM
Instrument 3
DB-ALC2

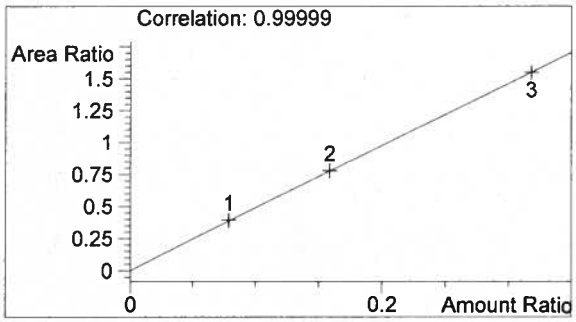
NEG Ctrl-BB
Brittany Ball

vial # 9

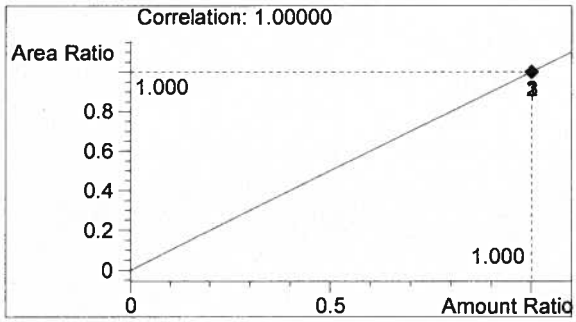


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1489	1.761

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12014

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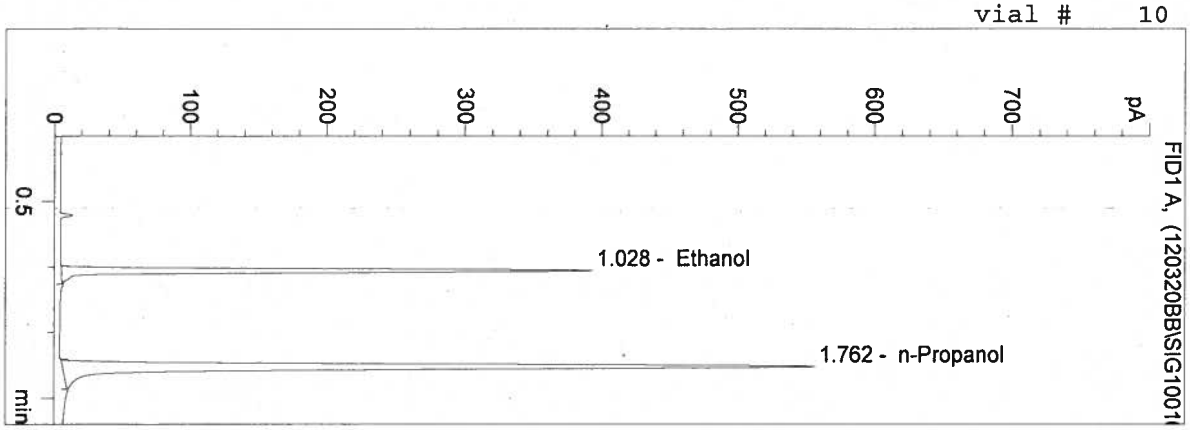
3/20/2012 12:37:14 PM
Instrument 3
DB-ALC2

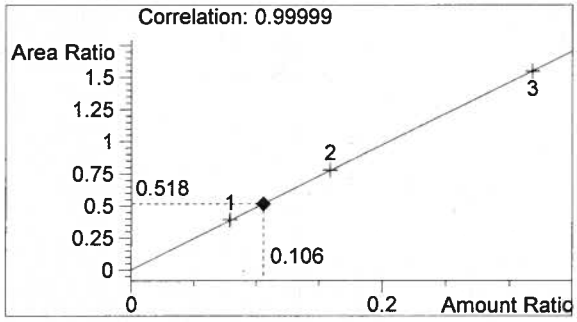
12014 #1-BB
Brittany Ball

vial # 10

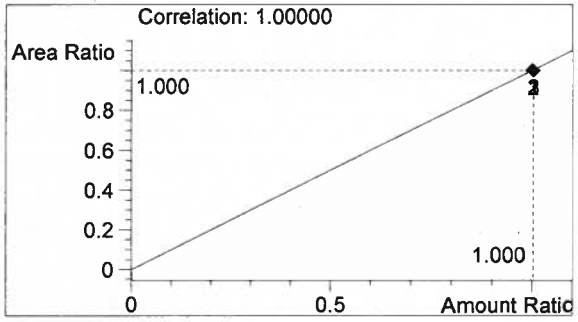


#	Compound	Area	RT
1	Ethanol	788	1.028
2	n-Propanol	1523	1.762

Totals:



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

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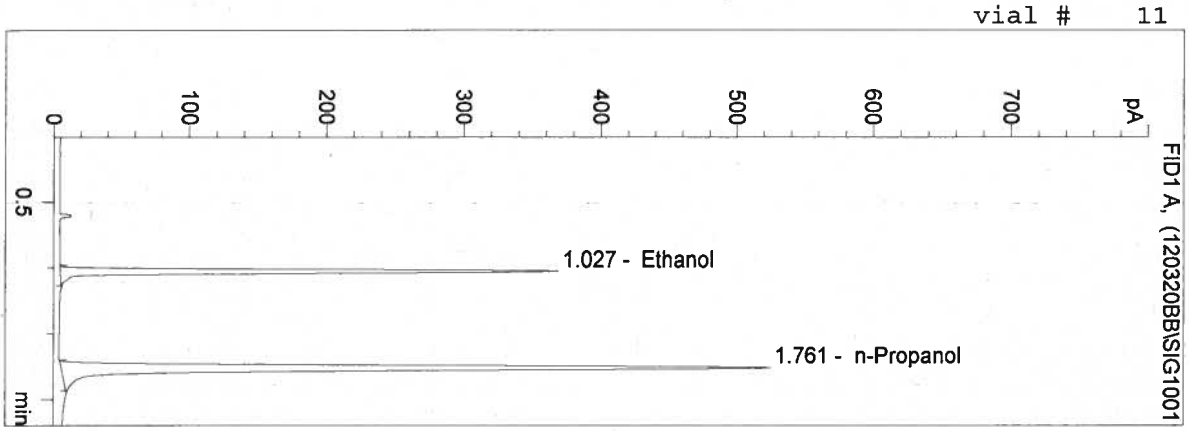
3/20/2012 12:40:22 PM
Instrument 3
DB-ALC2

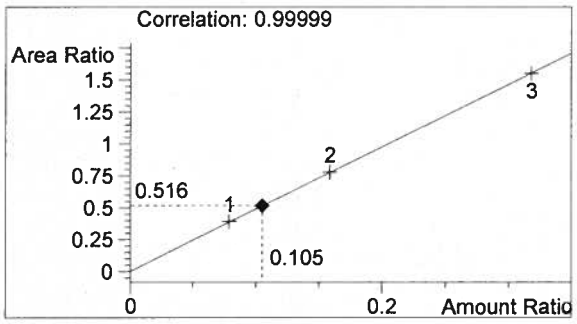
12014 #2-BB
Brittany Ball

vial # 11

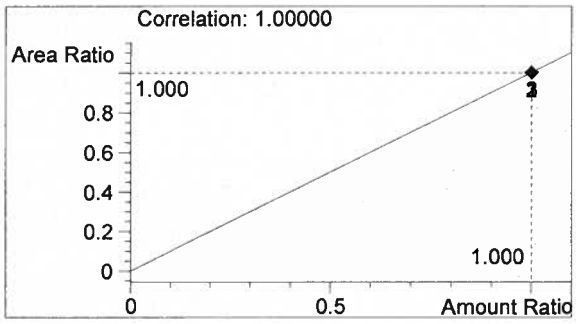


#	Compound	Area	RT
1	Ethanol	743	1.027
2	n-Propanol	1439	1.761

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

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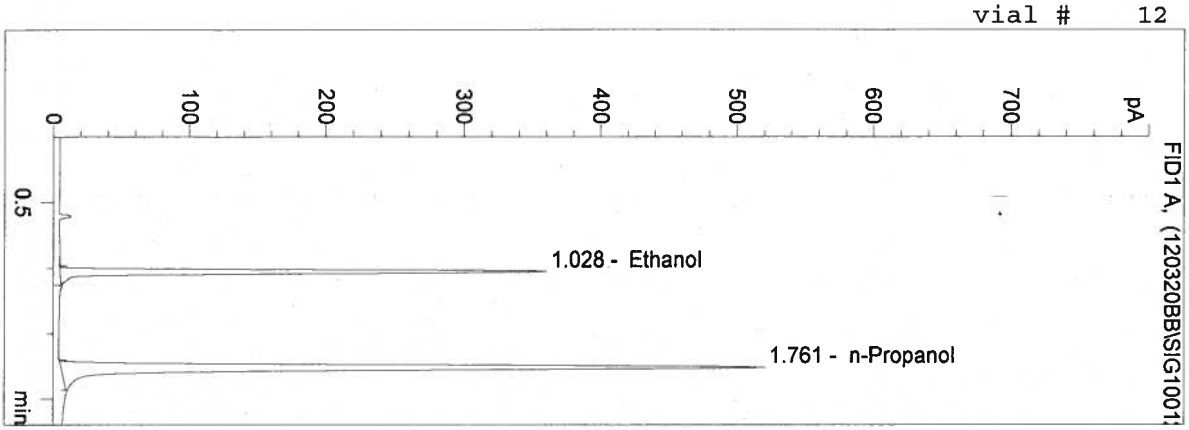
3/20/2012 12:43:29 PM
Instrument 3
DB-ALC2

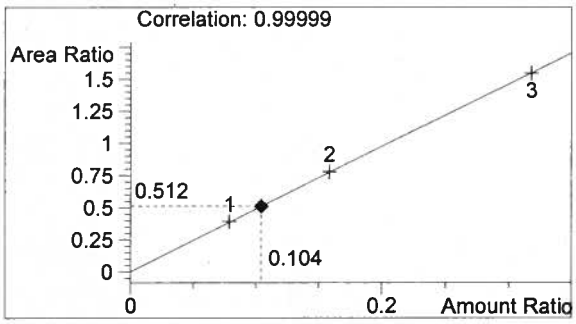
12014 #3-BB
Brittany Ball

vial # 12

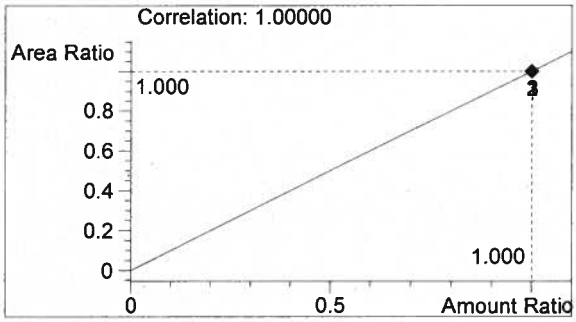


#	Compound	Area	RT
1	Ethanol	733	1.028
2	n-Propanol	1432	1.761

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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C:\HPCHEM\2\METHODS\SIMALC3.M
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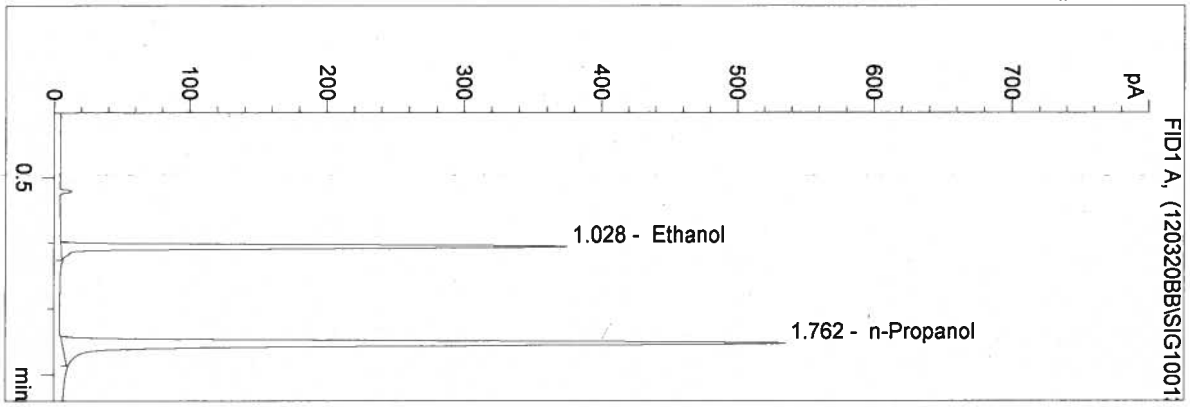
Instrument 3
DB-ALC2

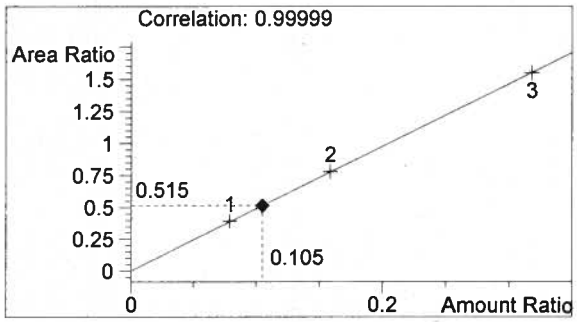
12014 #4-BB
Brittany Ball

vial # 13

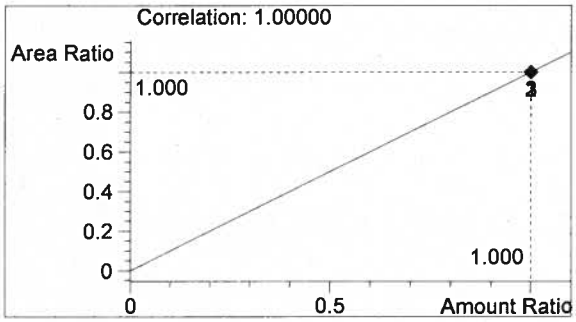


#	Compound	Area	RT
1	Ethanol	757	1.028
2	n-Propanol	1469	1.762

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

BB

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C:\HPCHEM\2\METHODS\SIMALC3.M
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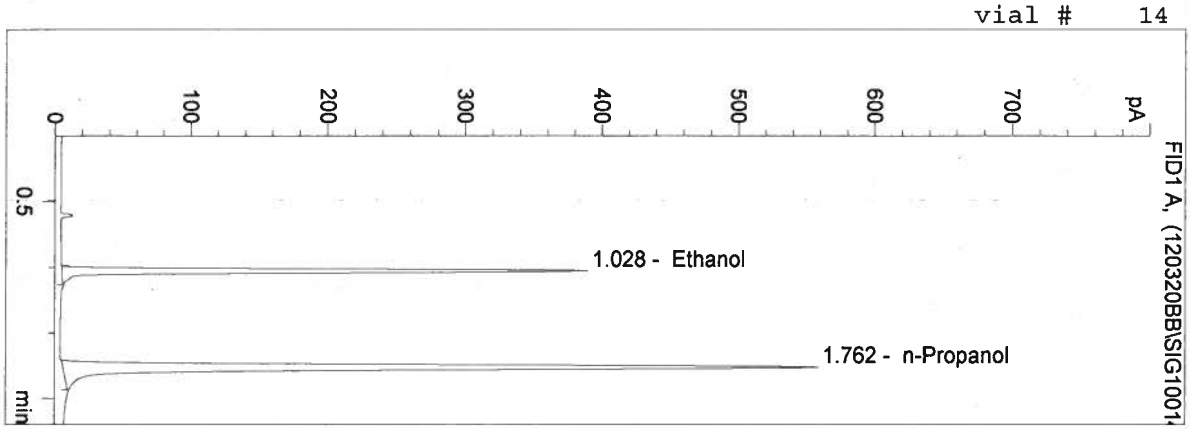
Instrument 3
DB-ALC2

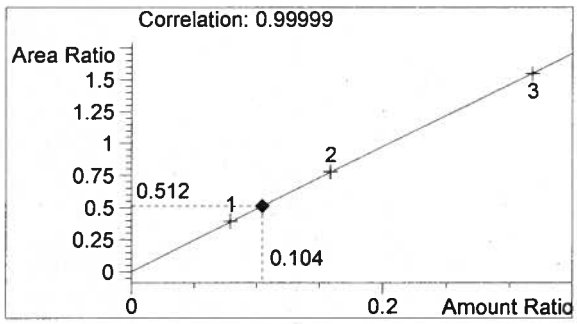
12014 #5-BB
Brittany Ball

vial # 14

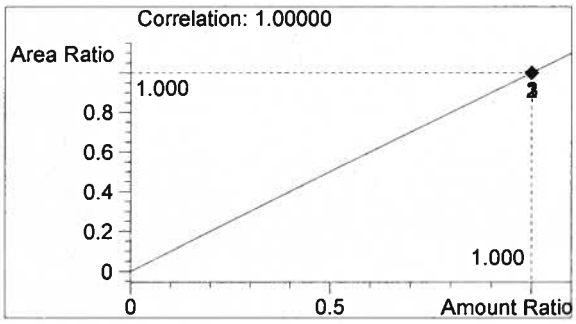


#	Compound	Area	RT
1	Ethanol	785	1.028
2	n-Propanol	1534	1.762

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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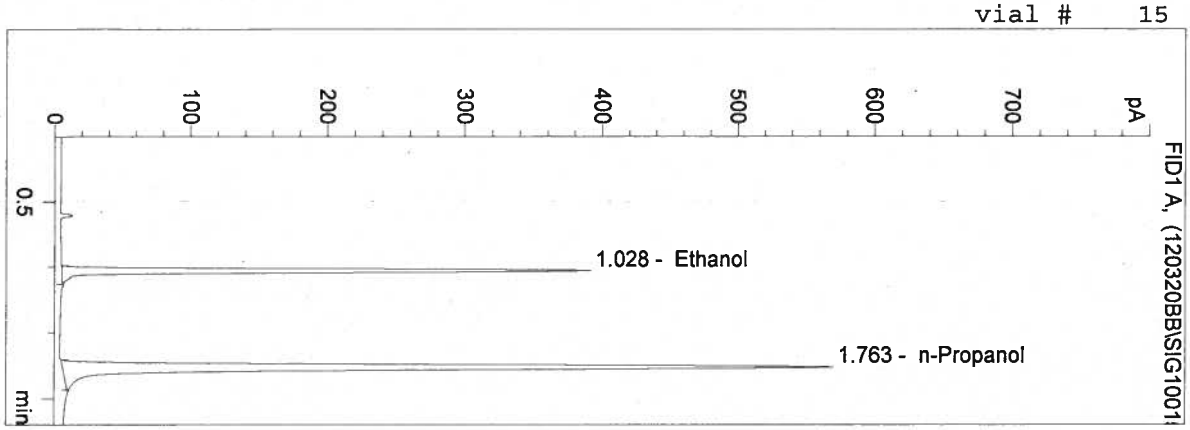
Instrument 3
DB-ALC2

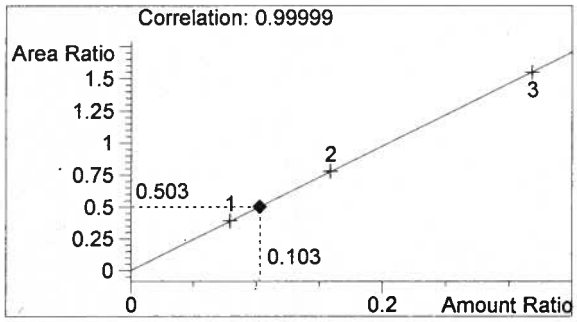
0.10 Ctrl-BB
Brittany Ball

vial # 15

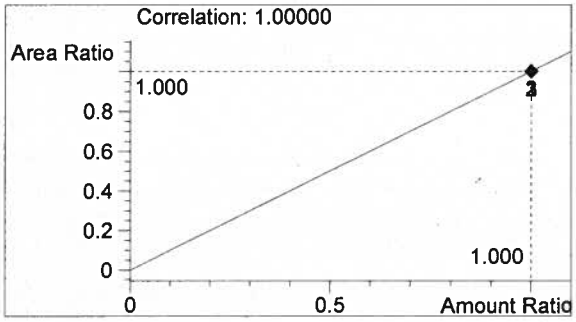


#	Compound	Area	RT
1	Ethanol	788	1.028
2	n-Propanol	1565	1.763

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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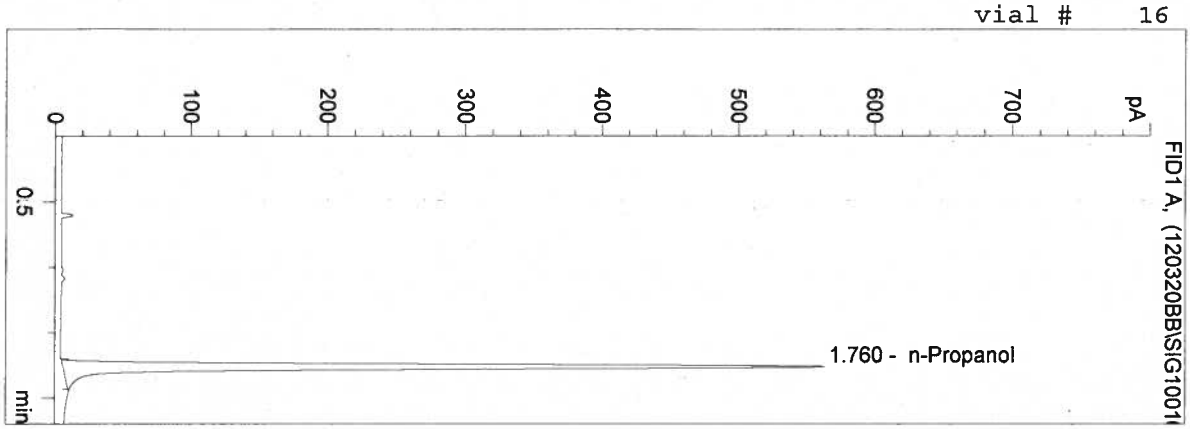
Instrument 3
DB-ALC2

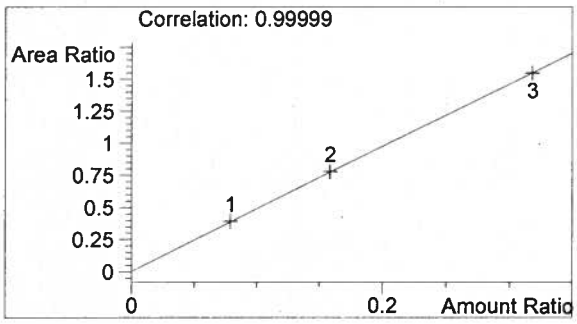
NEG Ctrl-BB
Brittany Ball

vial # 16

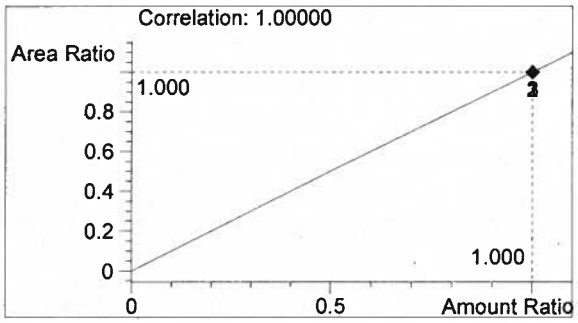


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1551	1.760

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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12014

Sequence Parameters:

Operator:	Brianne E. O'Reilly
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120320BO
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot:E0112-01
3	Vial 3	Lot:E0112-02
4	Vial 4	Lot:E0112-03
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

12014

BW

Sequence: C:\HPCHEM\2\SEQUENCE\BOEXSTD.S

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CONTROL-BO	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CONTROL-BO	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CONTROL-BO	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CONTROL-BO	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CONTROL-BO	SIMALC3	1	Ctrl Samp		
10	Vial 10	12014 #1	SIMALC3	1	Sample		
11	Vial 11	12014 #2	SIMALC3	1	Sample		
12	Vial 12	12014 #3	SIMALC3	1	Sample		
13	Vial 13	12014 #4	SIMALC3	1	Sample		
14	Vial 14	12014 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CONTROL-BO	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CONTROL-BO	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12014

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Calibration Table

Calib. Data Modified : Tuesday, March 20, 2012 1:28:36 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.028	1	1	7.90200e-2	555.85498	1.42159e-4	1		Ethanol
		2	1.58720e-1	1123.46960	1.41277e-4			
		3	3.17800e-1	2235.11816	1.42185e-4			
1.760	1	1	1.00000	1404.86890	7.11810e-4	I1		n-Propanol
		2	1.00000	1427.86877	7.00344e-4			
		3	1.00000	1426.85840	7.00840e-4			

Peak Sum Table

No Entries in table

12014

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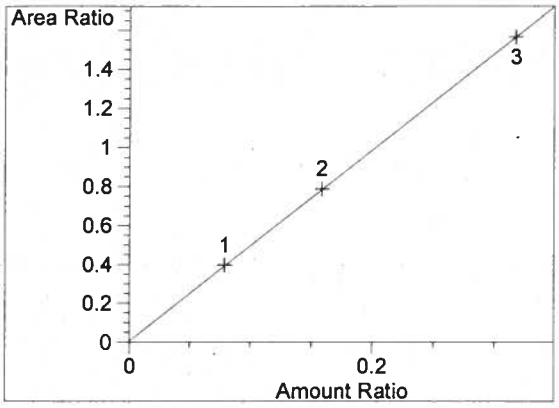
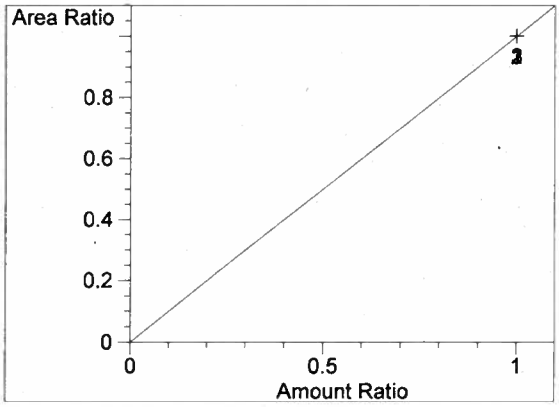
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.028
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00376
Formula: y = mx + b
m: 4.92400
b: 3.36475e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.760
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

12014

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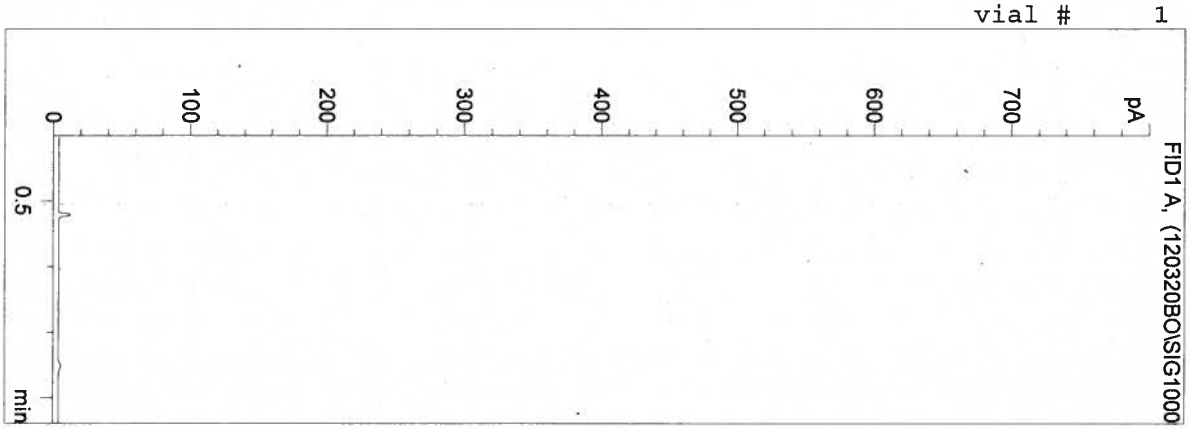
C:\HPCHEM\2\METHODS\SIMALC3.M
3/20/2012 1:17:01 PM
Instrument 3
DB-ALC2

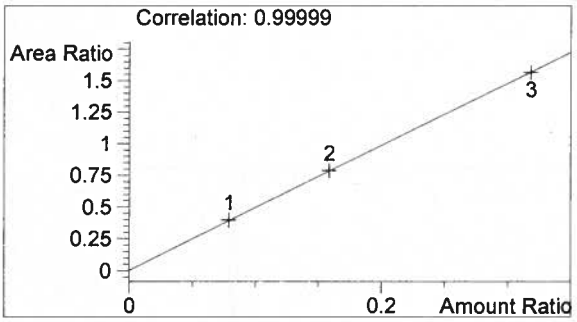
BLANK
Brianne E. O'Reilly

vial # 1

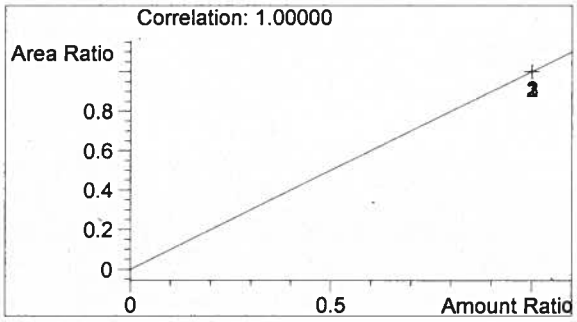


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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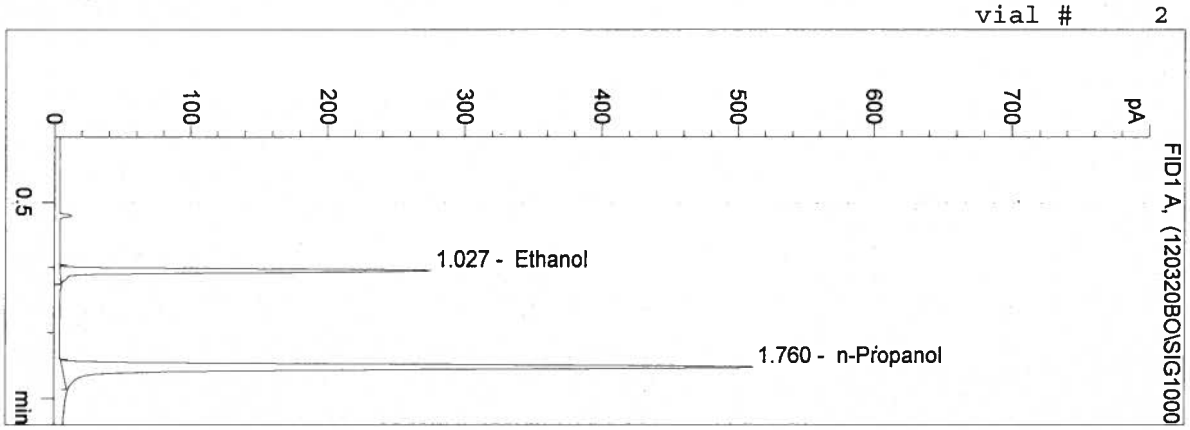
3/20/2012 1:20:08 PM
Instrument 3
DB-ALC2

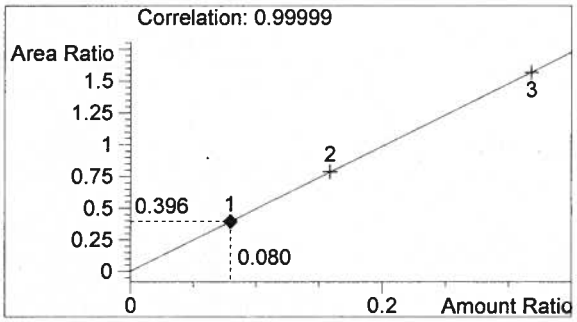
0.079 CAL 1
Brianne E. O'Reilly

vial # 2

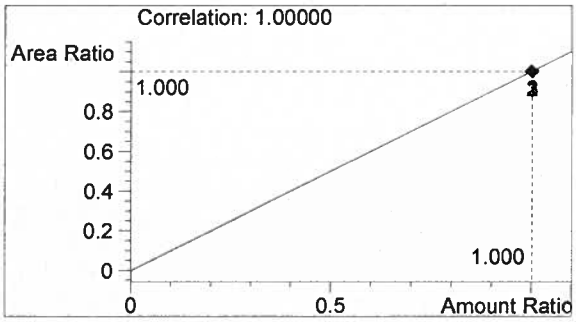


#	Compound	Area	RT
1	Ethanol	556	1.027
2	n-Propanol	1405	1.760

Totals:



Ethanol 0.080 g/100ml



n-Propanol 1.000 g/100ml

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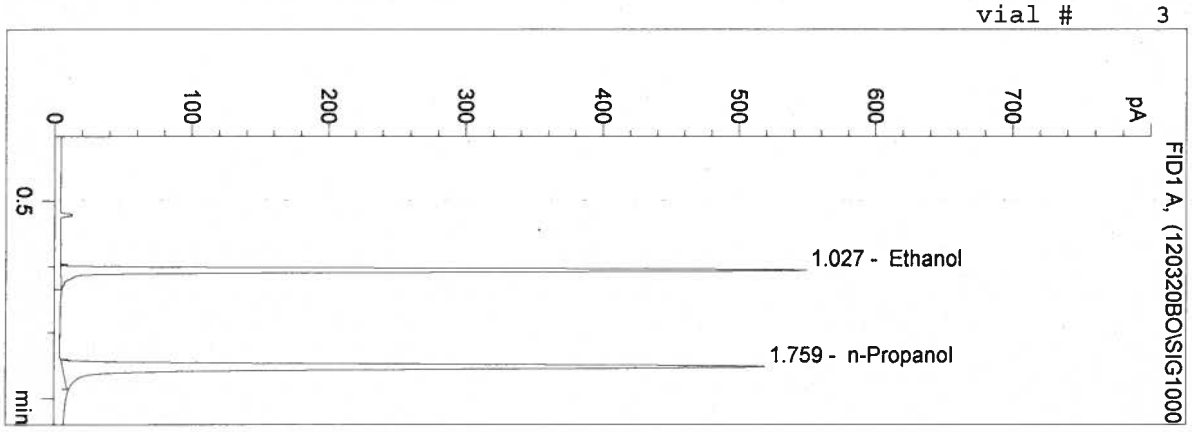
3/20/2012 1:23:16 PM
Instrument 3
DB-ALC2

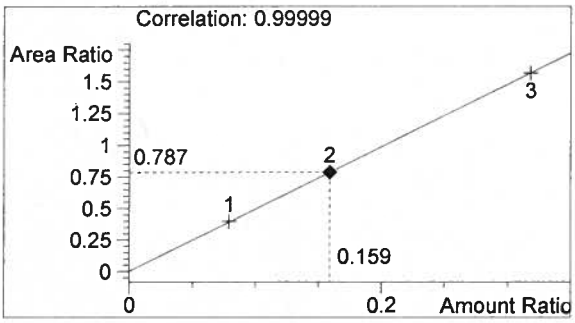
0.158 CAL 2
Brianne E. O'Reilly

vial # 3

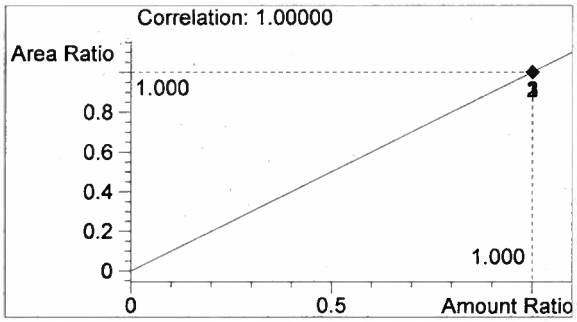


#	Compound	Area	RT
1	Ethanol	1123	1.027
2	n-Propanol	1428	1.759

Totals:



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

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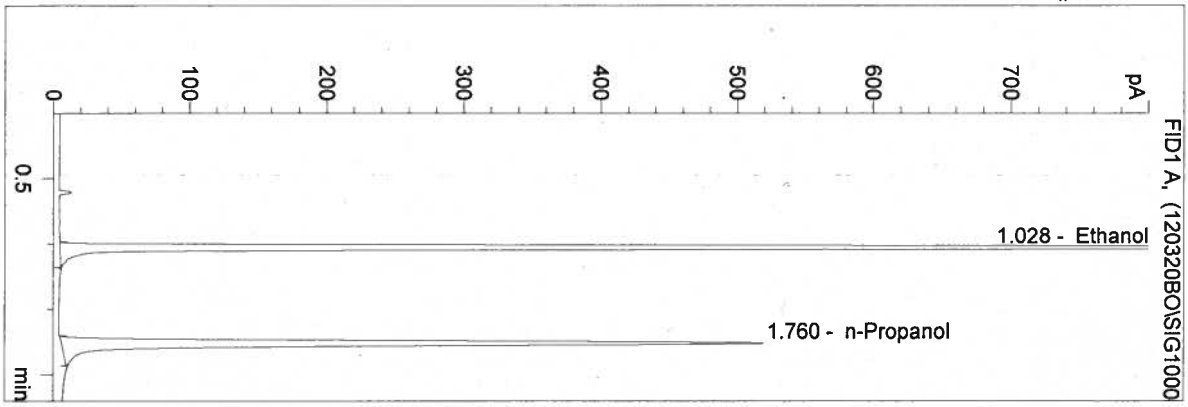
3/20/2012 1:26:24 PM
Instrument 3
DB-ALC2

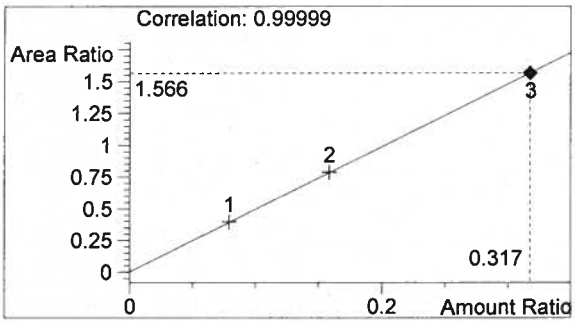
0.316 CAL 3
Brianne E. O'Reilly

vial # 4

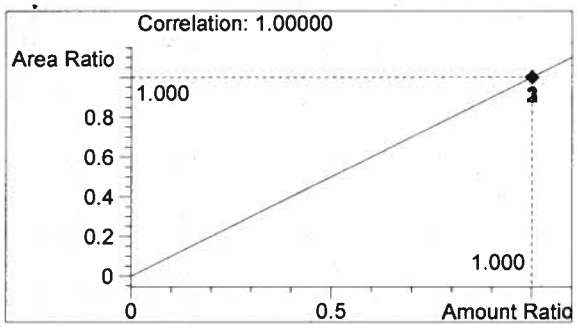


#	Compound	Area	RT
1	Ethanol	2235	1.028
2	n-Propanol	1427	1.760

Totals:



Ethanol 0.317 g/100ml



n-Propanol 1.000 g/100ml

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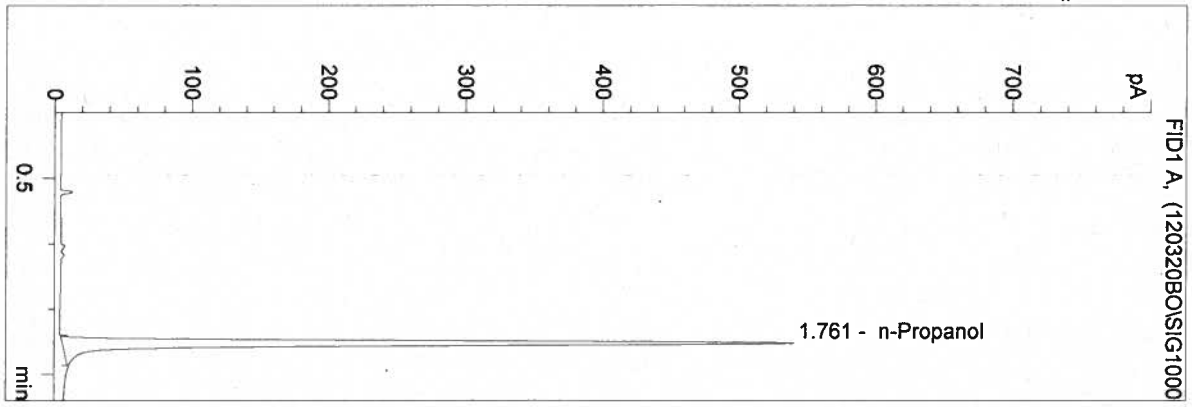
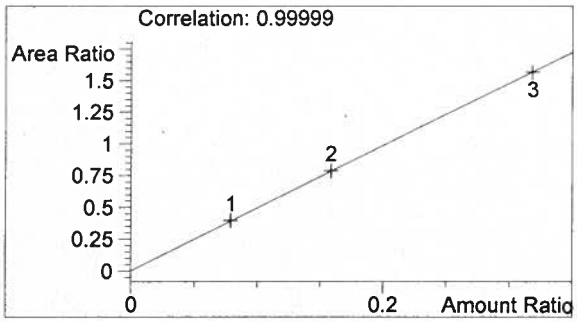
Instrument 3
DB-ALC2

NEG CONTROL-BO
Brianne E. O'Reilly

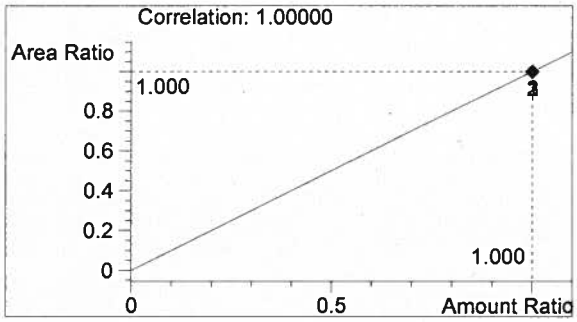
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1483	1.761
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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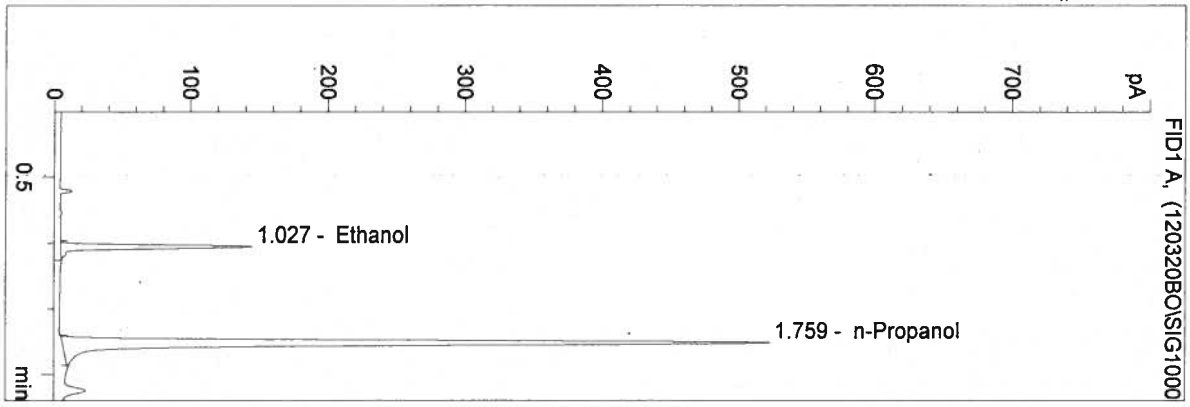
3/20/2012 1:32:39 PM
Instrument 3
DB-ALC2

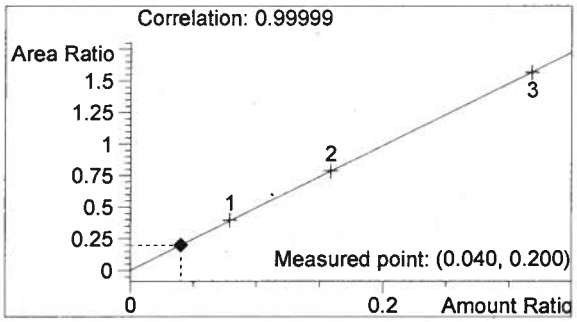
0.04 CONTROL-BO
Brianne E. O'Reilly

vial # 6

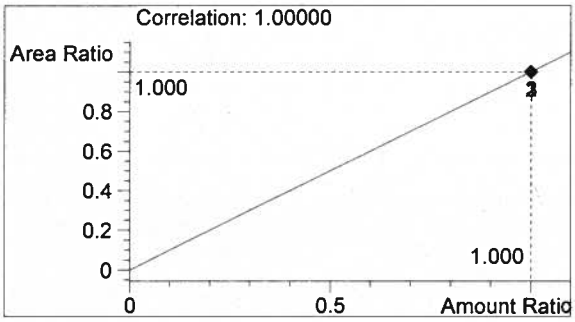


#	Compound	Area	RT
1	Ethanol	287	1.027
2	n-Propanol	1435	1.759

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

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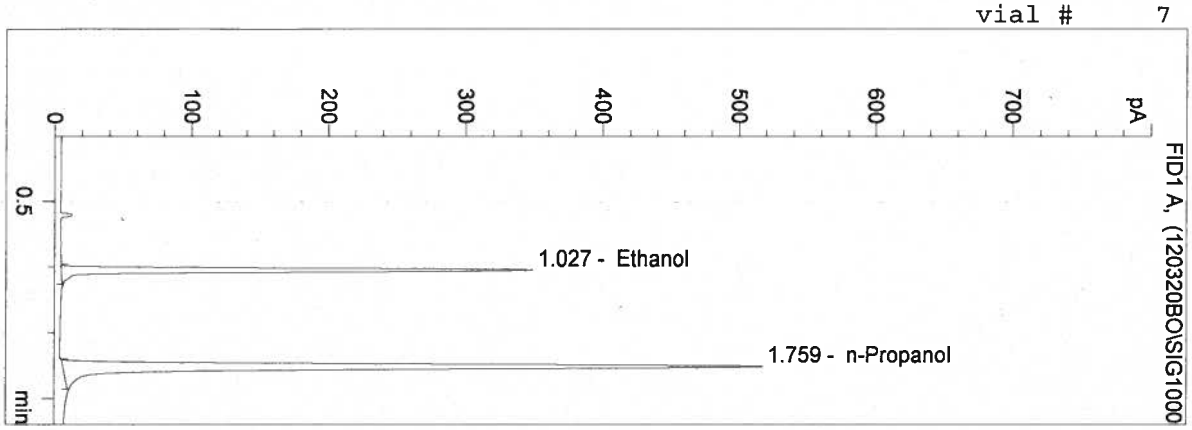
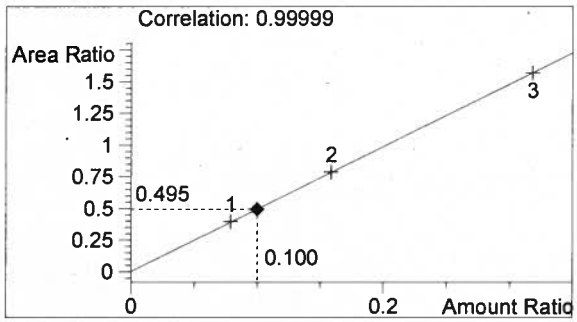
Instrument 3
DB-ALC2

0.10 CONTROL-BO
Brianne E. O'Reilly

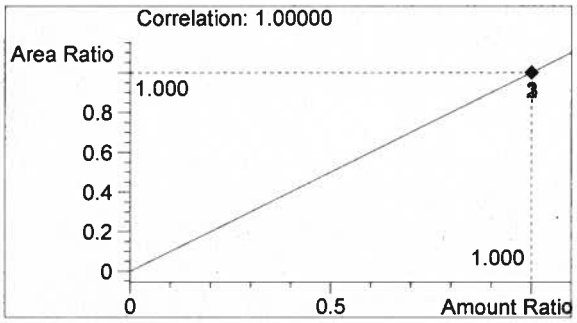
vial # 7



#	Compound	Area	RT
1	Ethanol	706	1.027
2	n-Propanol	1426	1.759
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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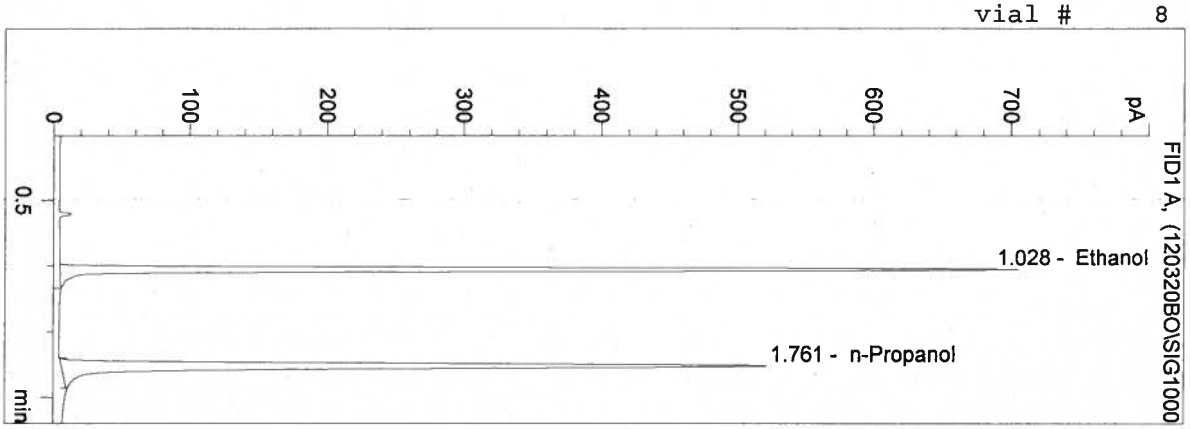
Instrument 3
DB-ALC2

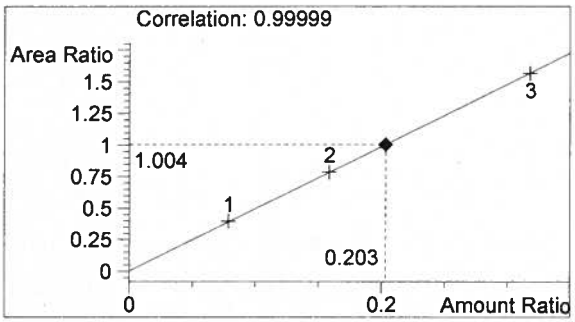
0.20 CONTROL-BO
Brianne E. O'Reilly

vial # 8

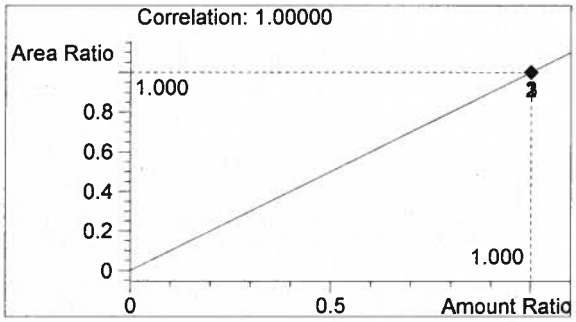


#	Compound	Area	RT
1	Ethanol	1435	1.028
2	n-Propanol	1429	1.761

Totals:



Ethanol 0.203 g/100ml



n-Propanol 1.000 g/100ml

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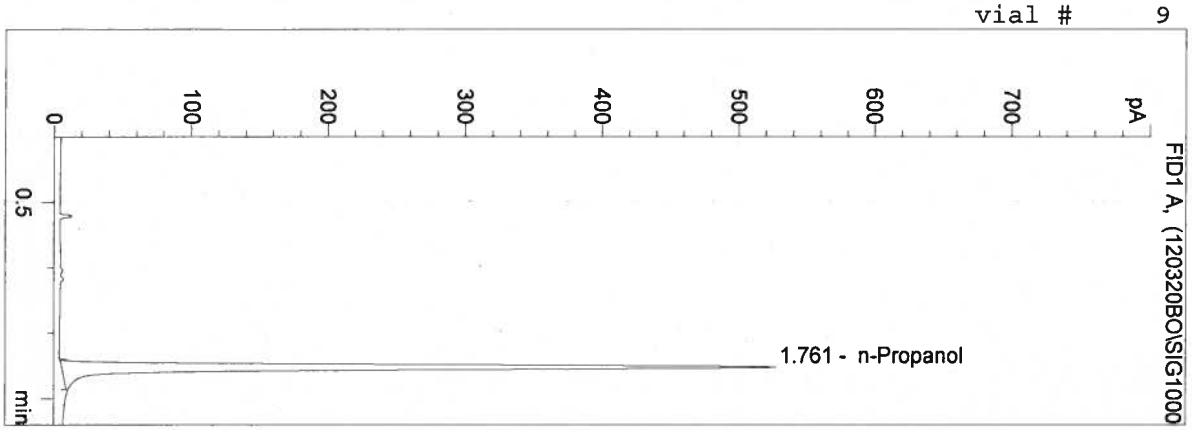
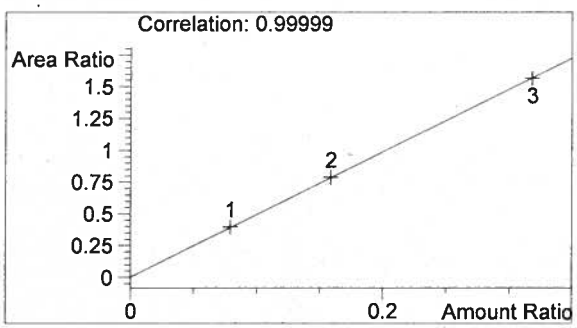
3/20/2012 1:42:02 PM
Instrument 3
DB-ALC2

NEG CONTROL-BO
Brianne E. O'Reilly

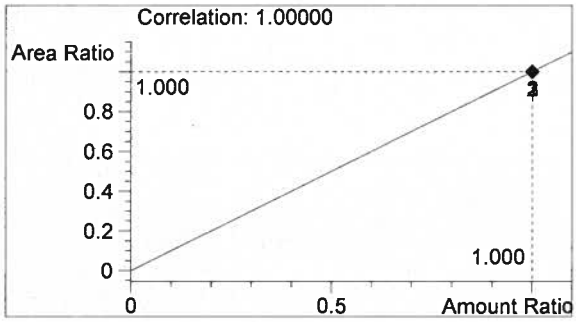
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1450	1.761
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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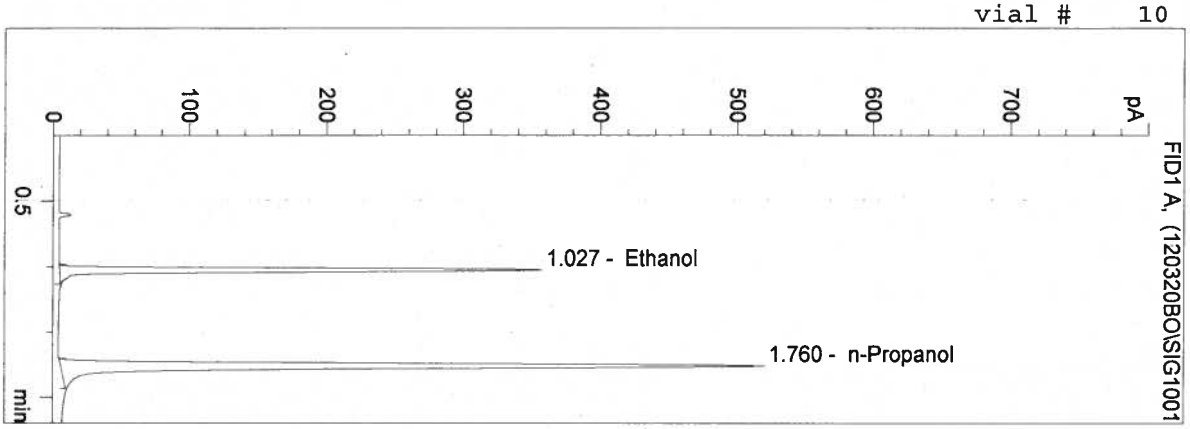
C:\HPCHEM\2\METHODS\SIMALC3.M
3/20/2012 1:45:09 PM
Instrument 3
DB-ALC2

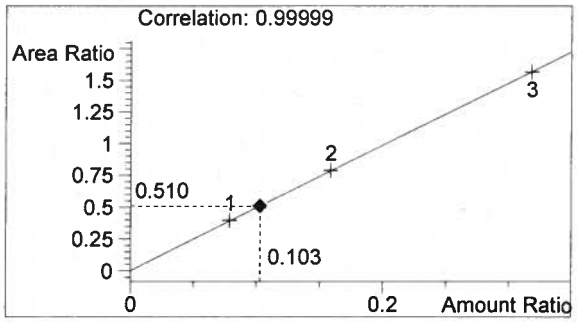
12014 #1
Brianne E. O'Reilly

vial # 10

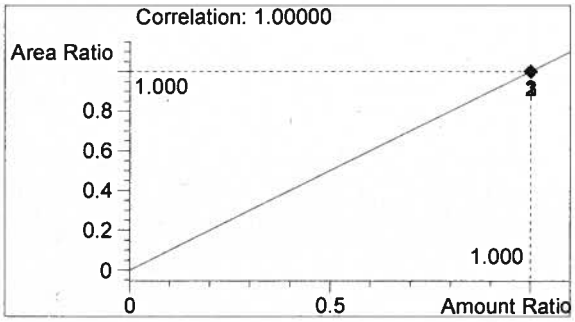


#	Compound	Area	RT
1	Ethanol	732	1.027
2	n-Propanol	1436	1.760

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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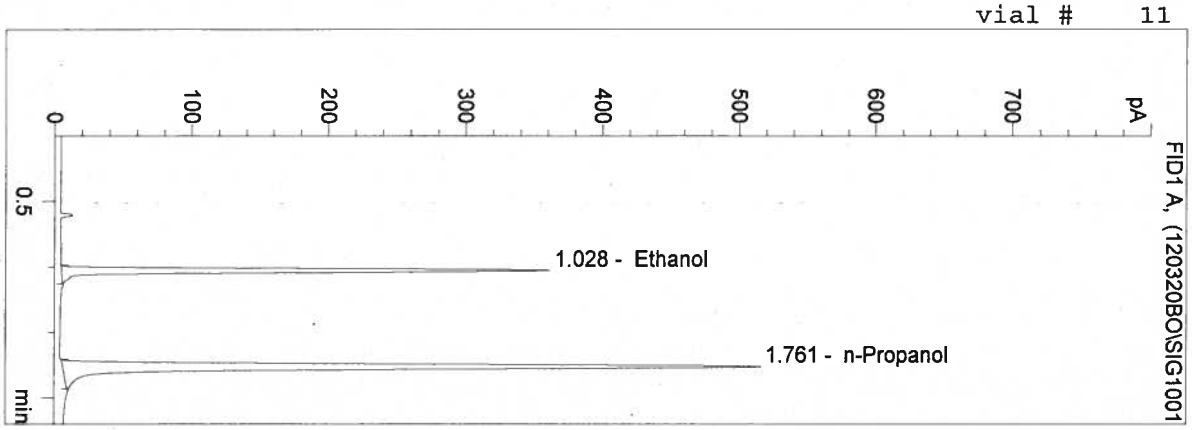
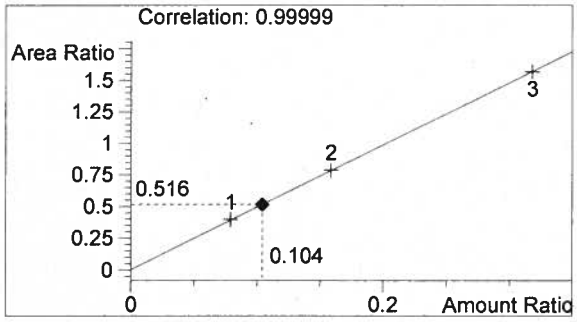
3/20/2012 1:48:17 PM
Instrument 3
DB-ALC2

12014 #2
Brianne E. O'Reilly

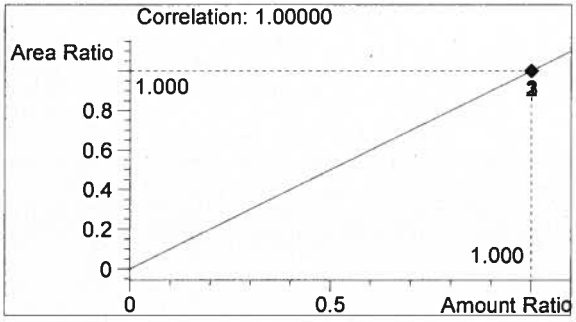
vial # 11



#	Compound	Area	RT
1	Ethanol	731	1.028
2	n-Propanol	1415	1.761
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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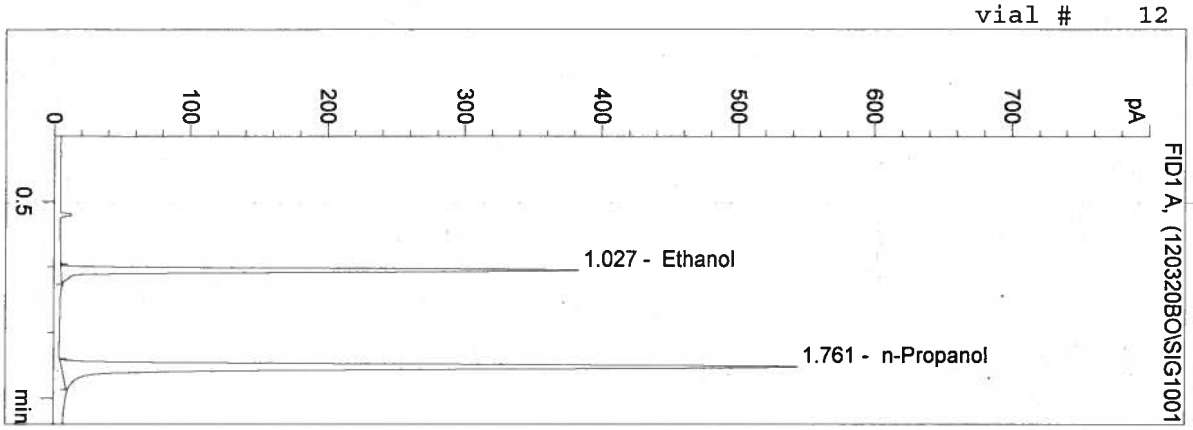
3/20/2012 1:51:24 PM
Instrument 3
DB-ALC2

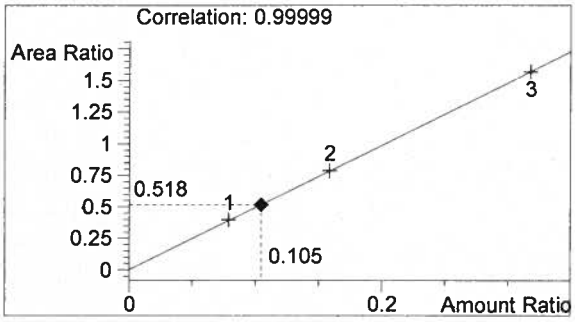
12014 #3
Brianne E. O'Reilly

vial # 12

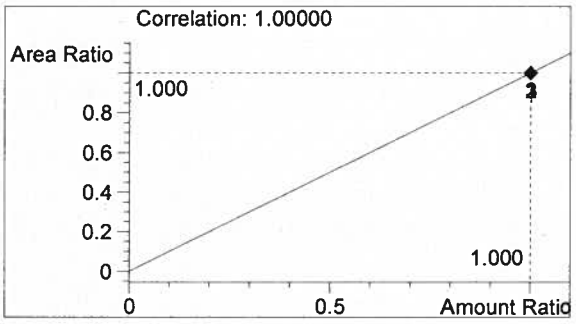


#	Compound	Area	RT
1	Ethanol	776	1.027
2	n-Propanol	1496	1.761

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

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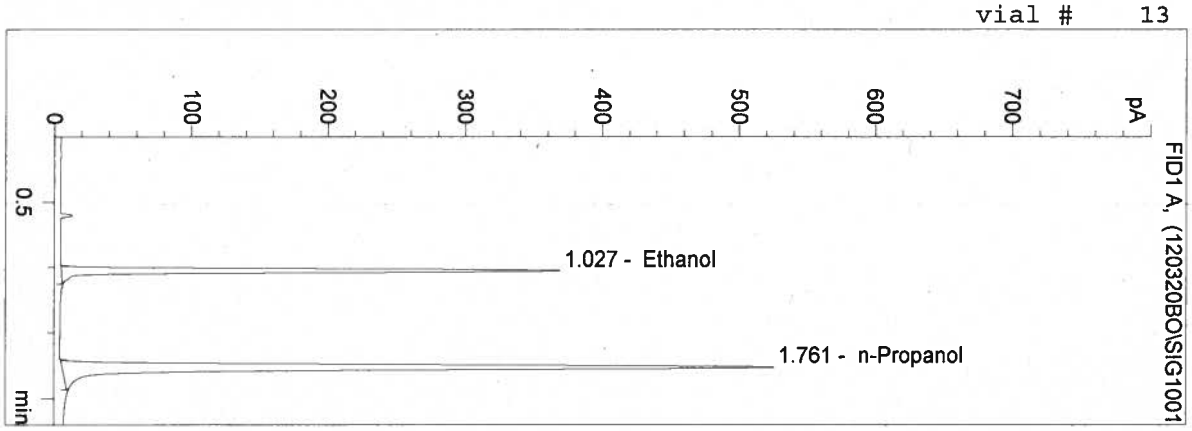
WASHINGTON STATE TOXICOLOGY LABORATORY

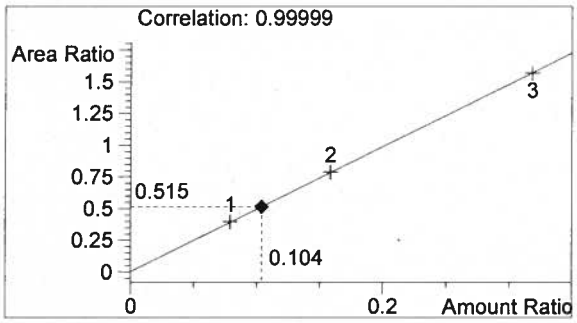
C:\HPCHEM\2\METHODS\SIMALC3.M
3/20/2012 1:54:32 PM
Instrument 3
DB-ALC2

12014 #4
Brianne E. O'Reilly

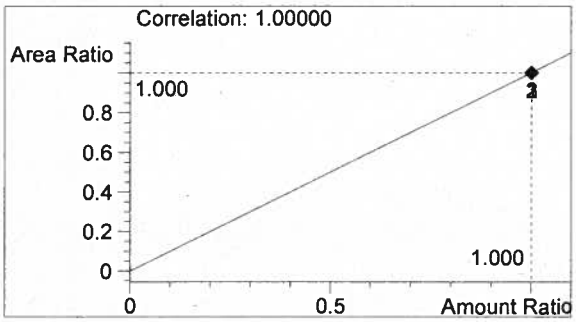
vial # 13



#	Compound	Area	RT
1	Ethanol	743	1.027
2	n-Propanol	1443	1.761
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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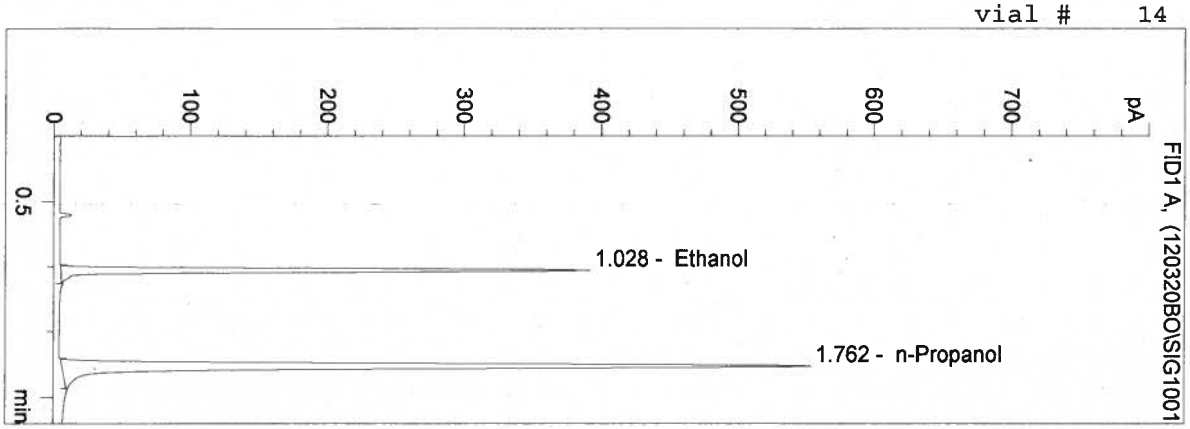
3/20/2012 1:57:40 PM
Instrument 3
DB-ALC2

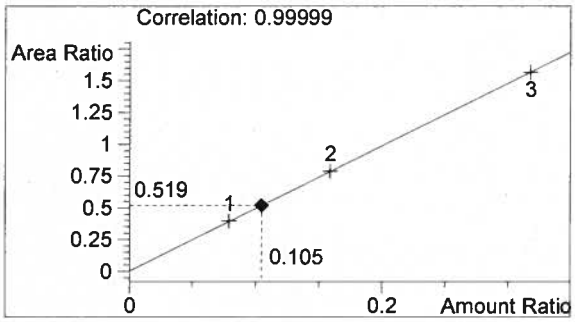
12014 #5
Brianne E. O'Reilly

vial # 14

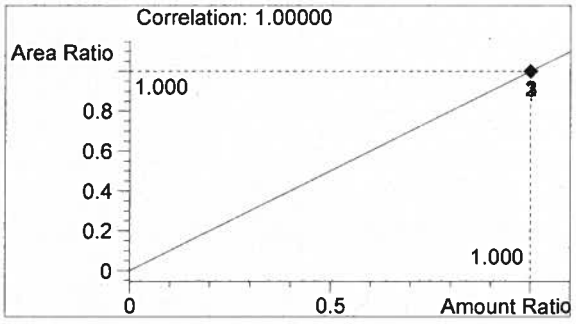


#	Compound	Area	RT
1	Ethanol	787	1.028
2	n-Propanol	1517	1.762

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

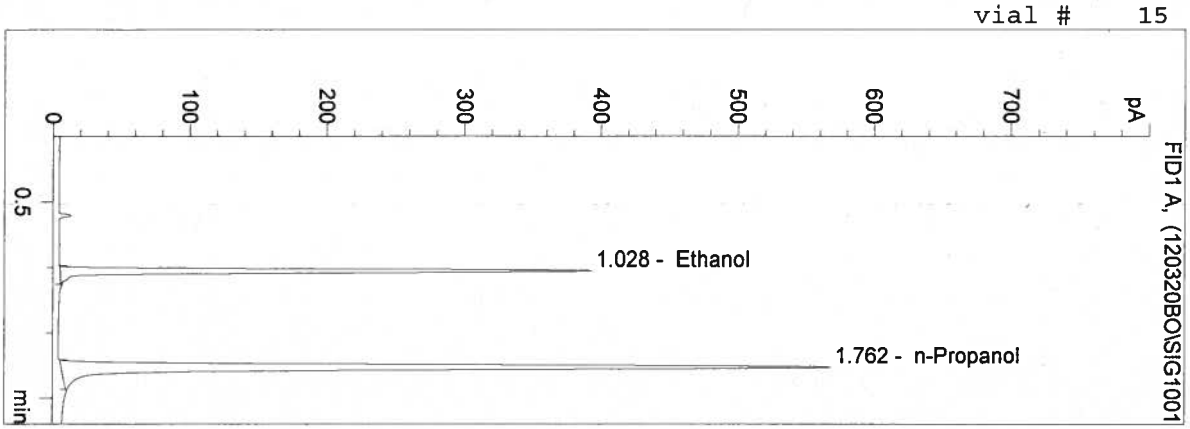
BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/20/2012 2:00:47 PM
Instrument 3
DB-ALC2

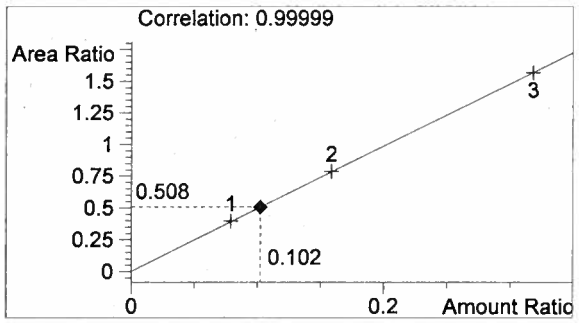
0.10 CONTROL-BO
Brianne E. O'Reilly

vial # 15

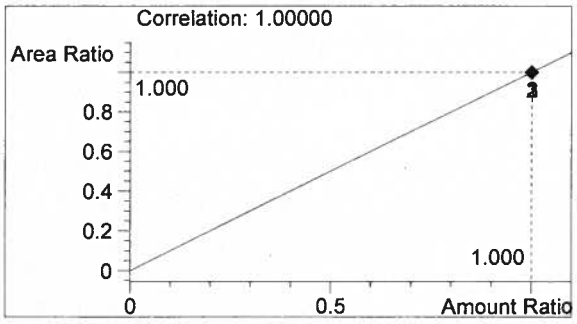


#	Compound	Area	RT
1	Ethanol	790	1.028
2	n-Propanol	1556	1.762

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

12014

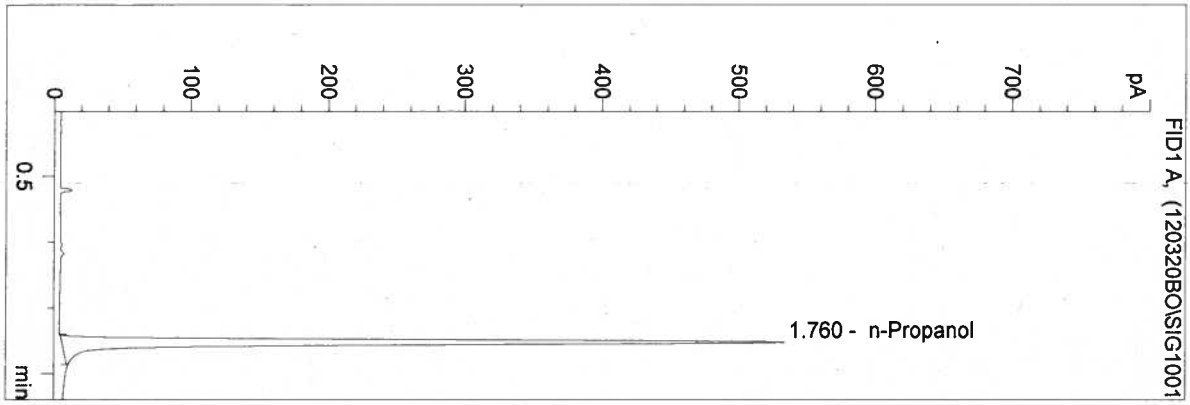
BEO

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/20/2012 2:03:55 PM
Instrument 3
DB-ALC2

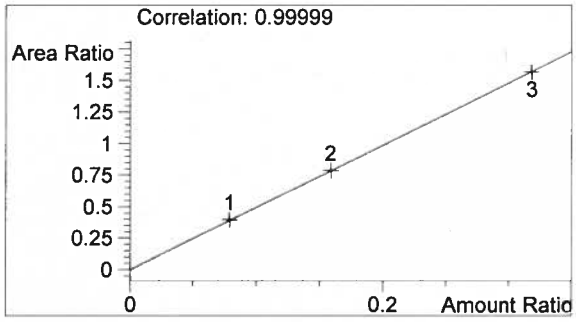
NEG CONTROL-BO
Brianne E. O'Reilly

vial # 16

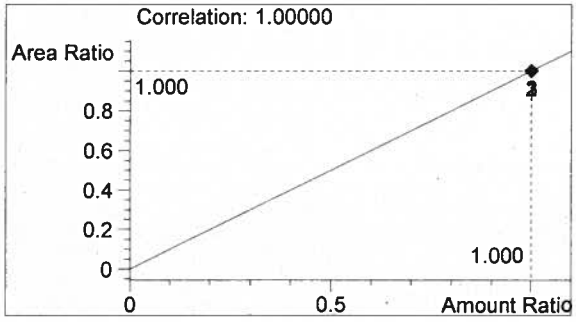


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1466	1.760

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12014

BUD

Sequence: C:\HPCHEM\2\SEQUENCE\AL-ESS3.S

Sequence Parameters:

Operator:	asa louis
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120321A1
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
cal 1 e0112-01 exp 04/29/2012
cal 2 e0112-02 exp 04/29/2012
cal 3 e0112-03 exp 04/29/2012
0.04 control lot# a077459 exp 02/2015
0.10 control lot# a083355 exp 12/2015
0.20 control lot# a076521 exp 12/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	blank	SIMALC3	1	Sample		
2	Vial 2	0.079 cal 1	SIMALC3	1	Calib		
3	Vial 3	0.158 cal 2	SIMALC3	1	Calib		
4	Vial 4	0.316 cal 3	SIMALC3	1	Calib		
5	Vial 5	neg control - al	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 ctrl al	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 ctrl al	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 ctrl al	SIMALC3	1	Ctrl Samp		
9	Vial 9	neg control - al	SIMALC3	1	Ctrl Samp		
10	Vial 10	12014 #1	SIMALC3	1	Sample		
11	Vial 11	12014 #2	SIMALC3	1	Sample		
12	Vial 12	12014 #3	SIMALC3	1	Sample		
13	Vial 13	12014 #4	SIMALC3	1	Sample		
14	Vial 14	12014 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 ctrl al	SIMALC3	1	Ctrl Samp		
16	Vial 16	neg control - al	SIMALC3	1	Ctrl Samp		

2012 Mar 21

2012 Apr 06

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 cal 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 cal 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 cal 3	SIMALC3	3	Replace	Replace	

12014

Sequence Table (Back Injector):

Sequence: C:\HPCHEM\2\SEQUENCE\AL-ESS3.S

No entries - empty table!

AL
2012MAR21
AL 2012Apr06

12014

Calibration Table

Calib. Data Modified : Wednesday, March 21, 2012 8:11:19 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.028	1	1	7.90200e-2	602.46088	1.31162e-4		1	Ethanol
		2	1.58720e-1	1092.33203	1.45304e-4			
		3	3.17800e-1	2224.15649	1.42886e-4			
1.760	1	1	1.00000	1508.49829	6.62911e-4	I1		n-Propanol
		2	1.00000	1396.79260	7.15926e-4			
		3	1.00000	1407.25732	7.10602e-4			

Peak Sum Table

No Entries in table

2012 MAR 21
2012 Apr 06

12014

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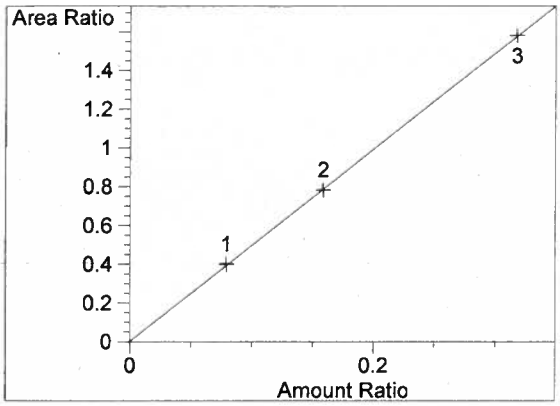
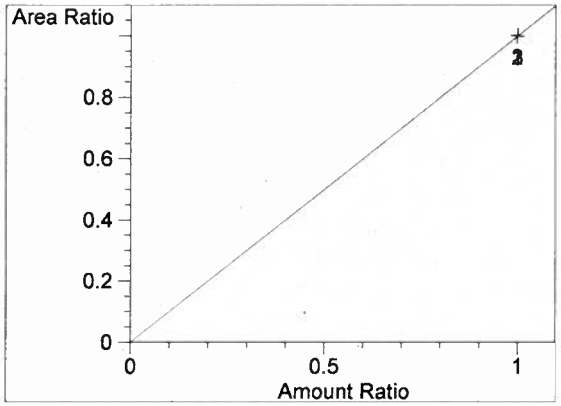
Calibration Curves

==========



Ethanol at exp. RT: 1.028
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00668
Formula: y = mx + b
m: 4.96367
b: 1.09474e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.760
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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AL
2012 MAR 21

AL
2012 Apr 06

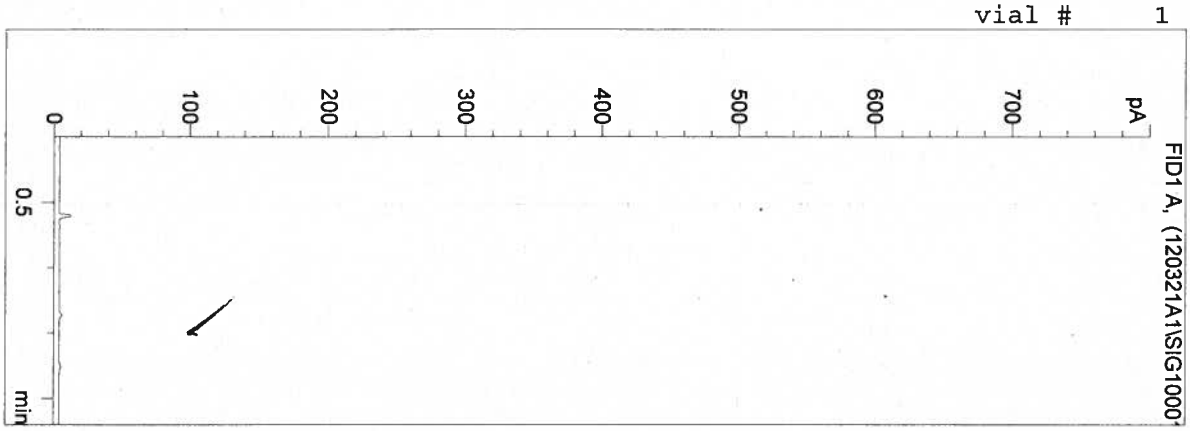
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 7:59:44 AM
Instrument 3
DB-ALC2

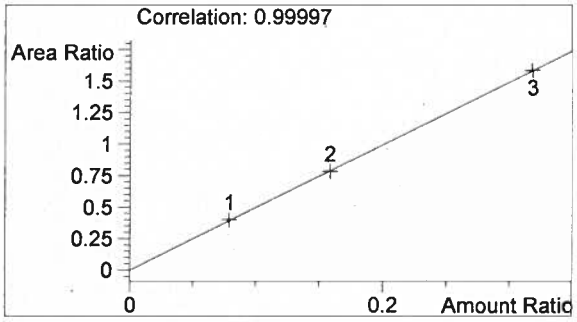
blank
asa louis

vial # 1

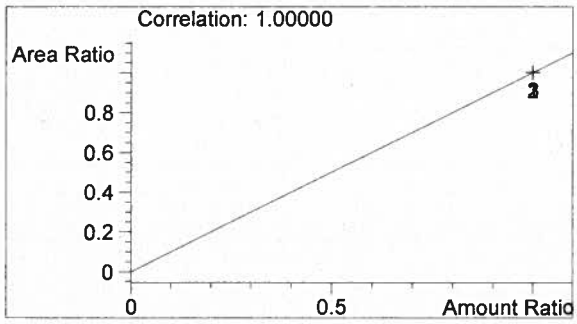


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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2012 MAR 21
AL 2012 Apr 06

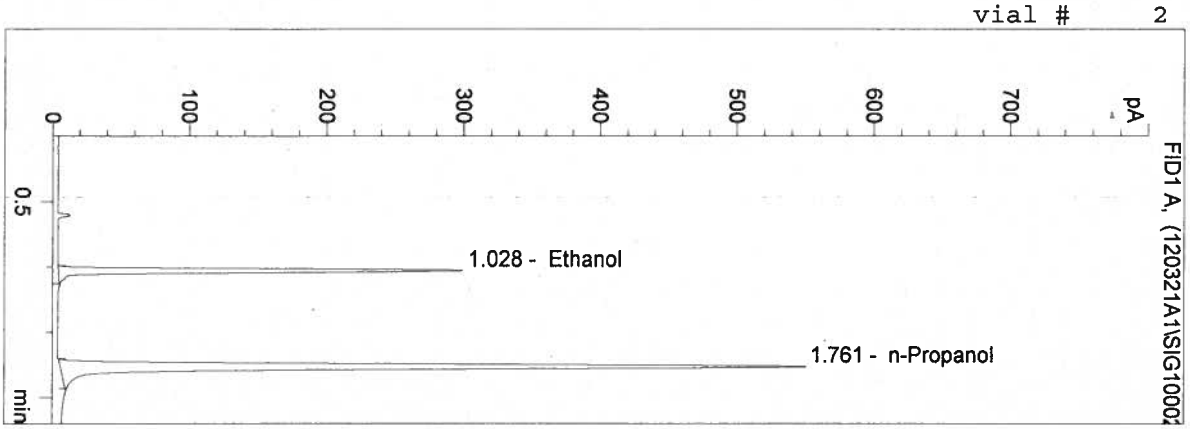
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

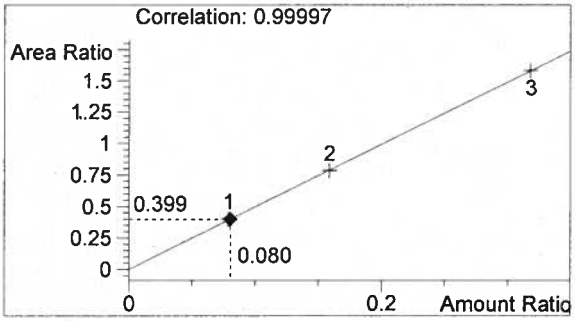
C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 8:02:51 AM
Instrument 3
DB-ALC2

0.079 cal 1
asa louis

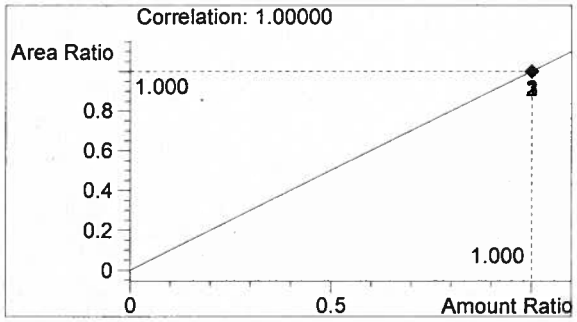
vial # 2



#	Compound	Area	RT
1	Ethanol	602	1.028
2	n-Propanol	1508	1.761
Totals:			



Ethanol 0.080 g/100ml



n-Propanol 1.000 g/100ml

A
2012 MAR 21
AL 2012 Apr 06

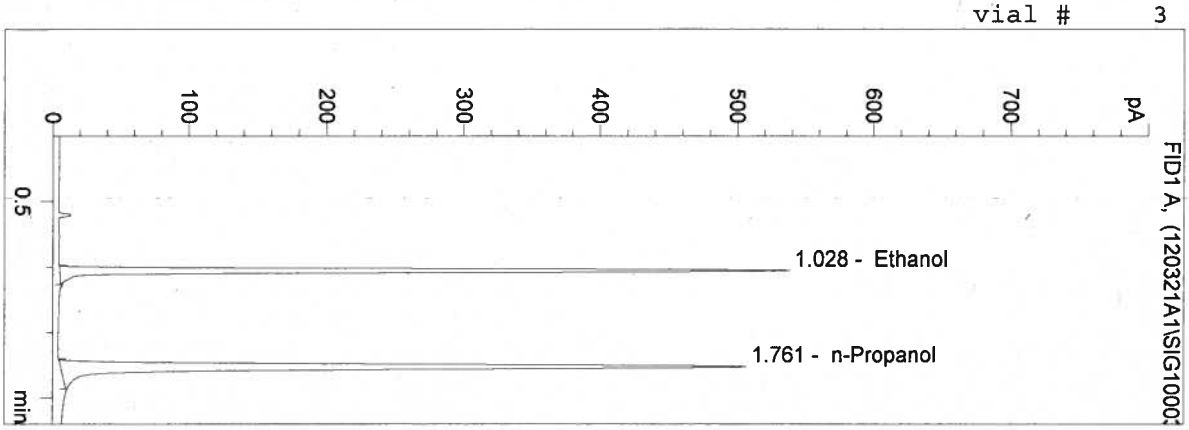
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 8:05:59 AM
Instrument 3
DB-ALC2

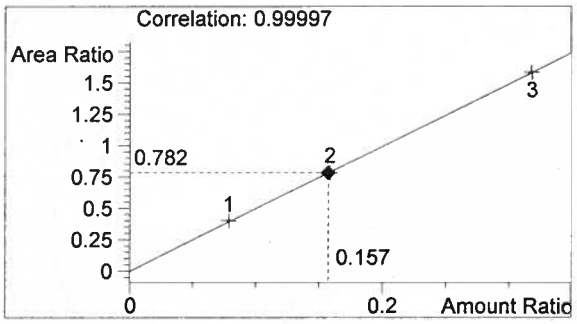
0.158 cal 2
asa louis

vial # 3

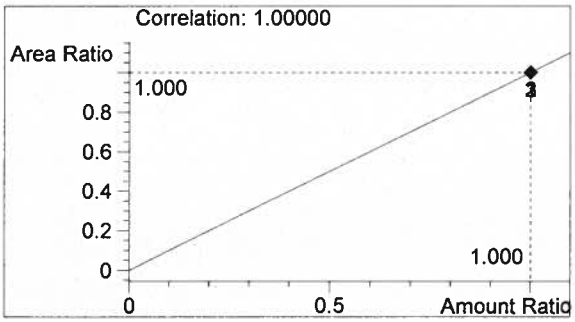


#	Compound	Area	RT
1	Ethanol	1092	1.028
2	n-Propanol	1397	1.761

Totals:



Ethanol 0.157 g/100ml



n-Propanol 1.000 g/100ml

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2012MAR21
AL 2012 Apr 06

12014

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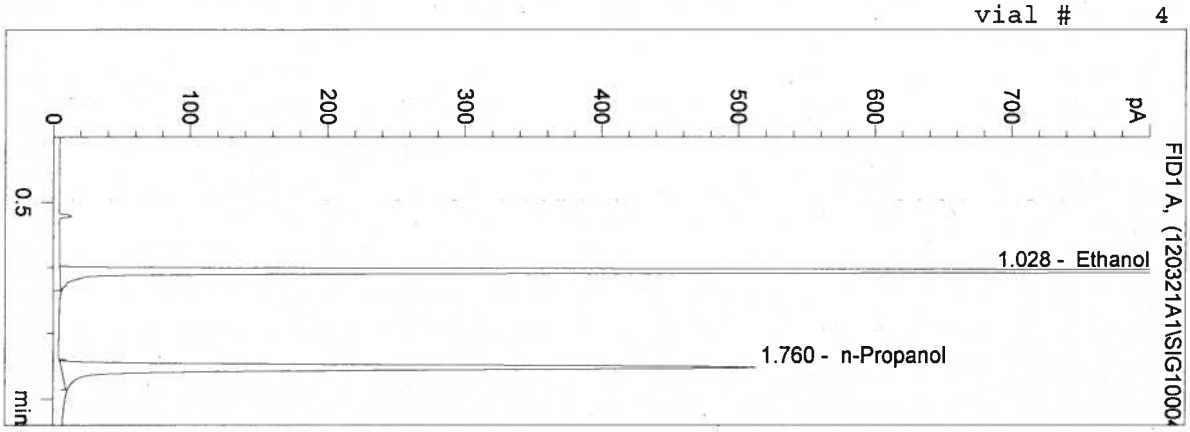
C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 8:09:07 AM
Instrument 3
DB-ALC2

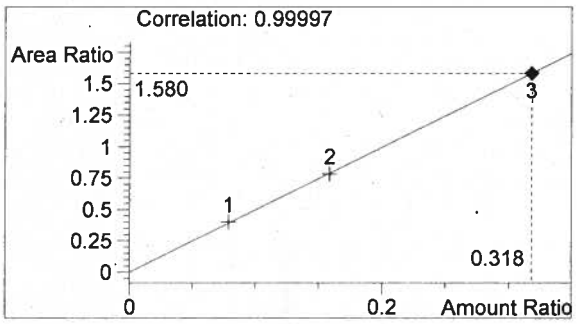
0.316 cal 3
asa louis

vial # 4

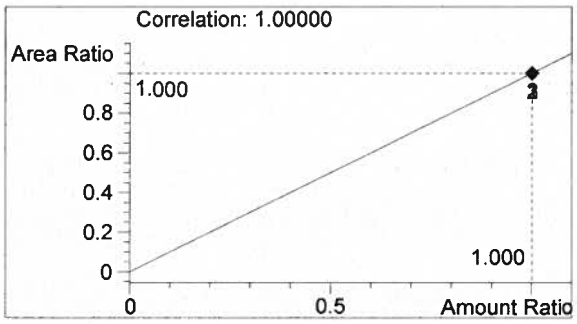


#	Compound	Area	RT
1	Ethanol	2224	1.028
2	n-Propanol	1407	1.760

Totals:



Ethanol 0.318 g/100ml



n-Propanol 1.000 g/100ml

A
2012 MAR 21

AC
2012 APR 06

12014

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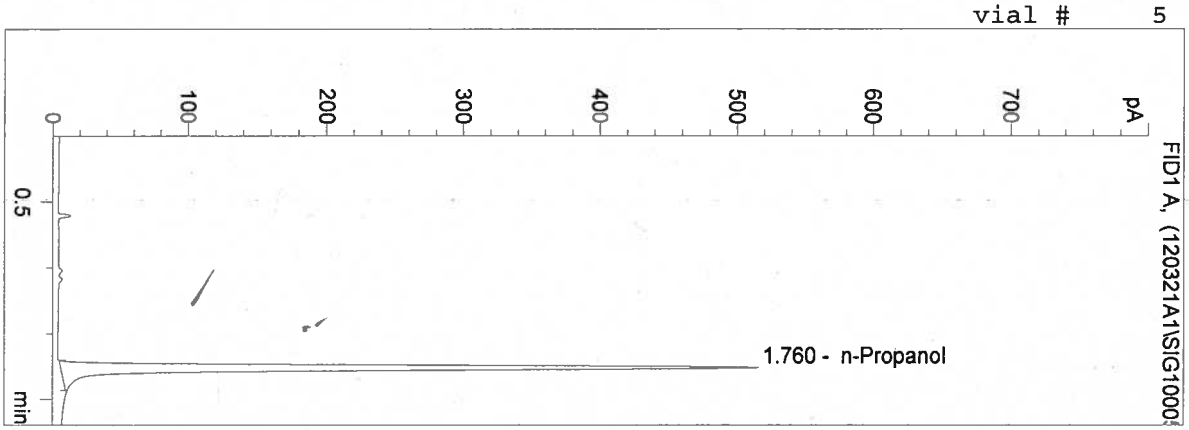
C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 8:12:14 AM
Instrument 3
DB-ALC2

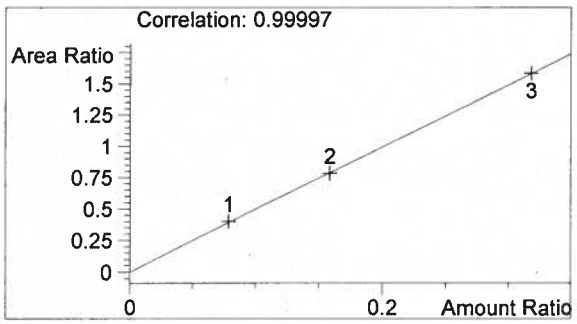
neg control - al
asa louis

vial # 5

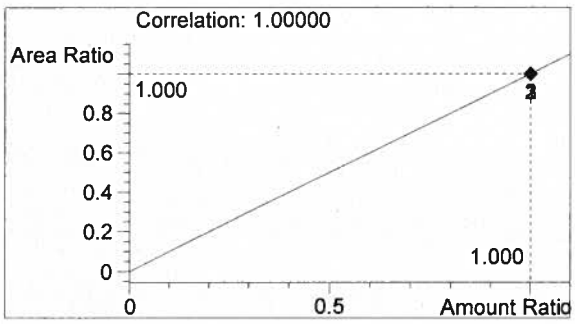


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1422	1.760

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

AL
2012 MAR 21
AL 2012 Apr 06

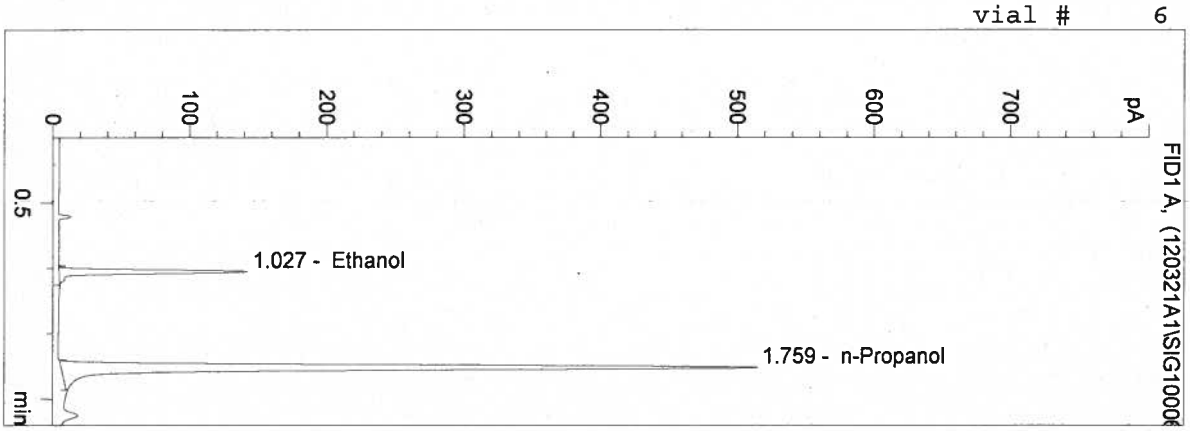
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 8:15:21 AM
Instrument 3
DB-ALC2

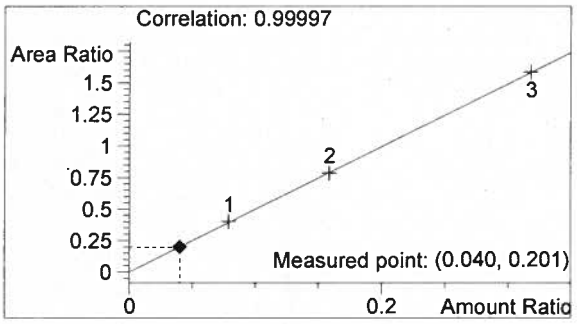
0.04 ctrl al
asa louis

vial # 6

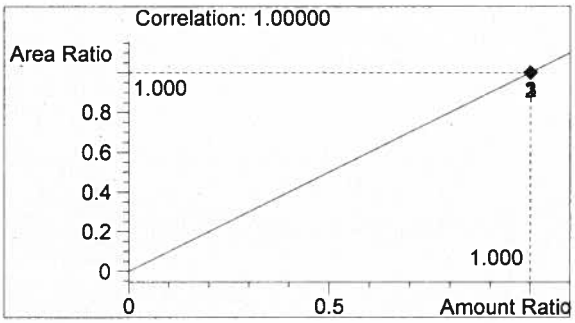


#	Compound	Area	RT
1	Ethanol	284	1.027
2	n-Propanol	1417	1.759

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

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2012 mar 21
AL 2012 Apr 06

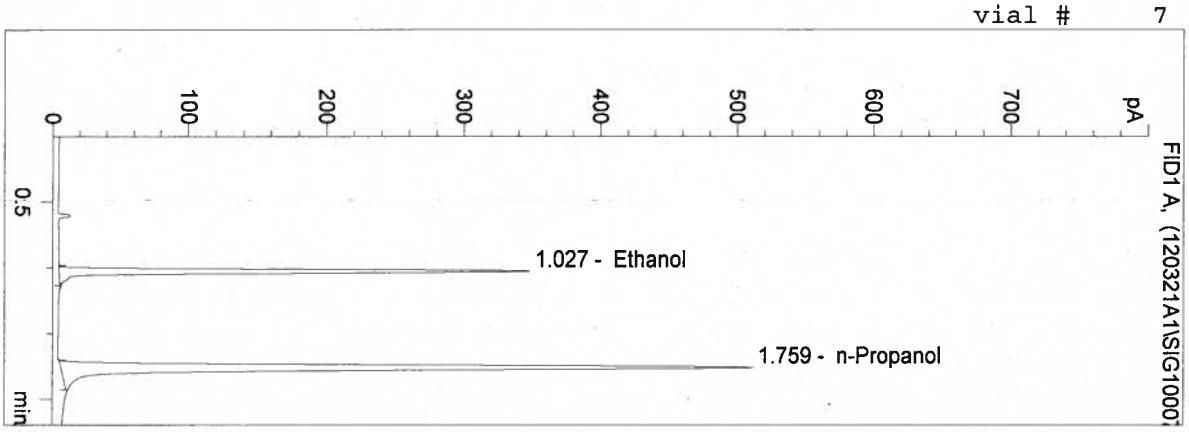
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 8:18:29 AM
Instrument 3
DB-ALC2

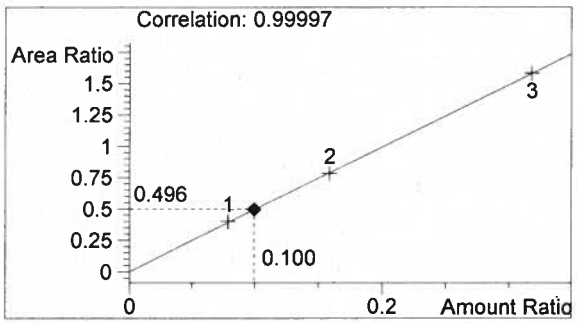
0.10 ctrl al
asa louis

vial # 7

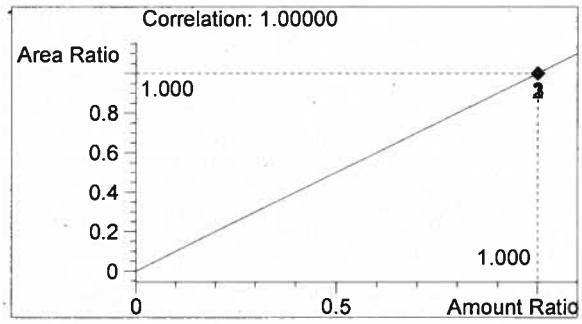


#	Compound	Area	RT
1	Ethanol	699	1.027
2	n-Propanol	1409	1.759

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

AL
2012 MAR 21

AL
2012 Apr 06

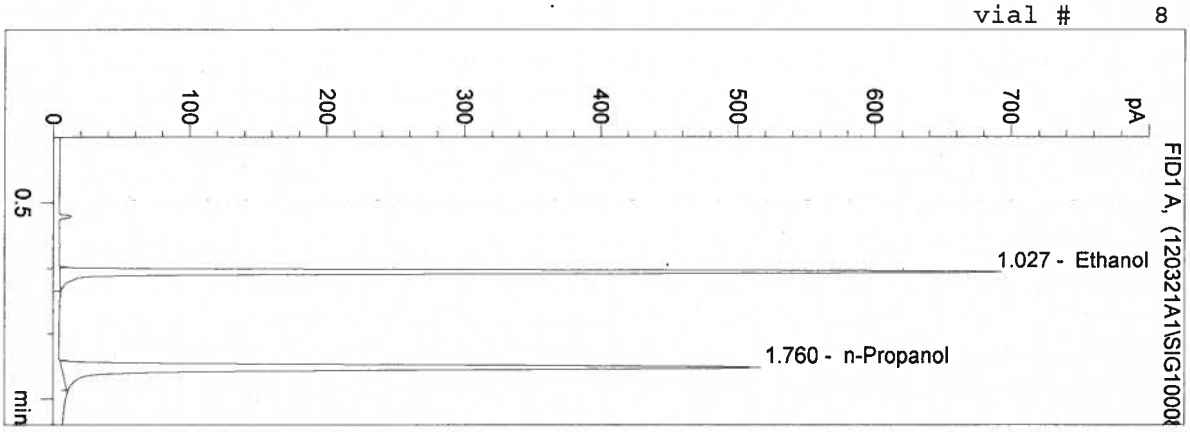
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 8:21:37 AM
Instrument 3
DB-ALC2

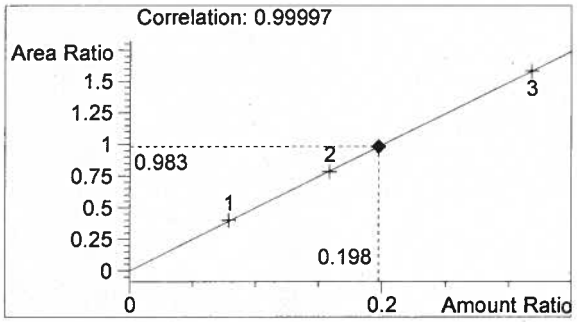
0.20 ctrl al
asa louis

vial # 8

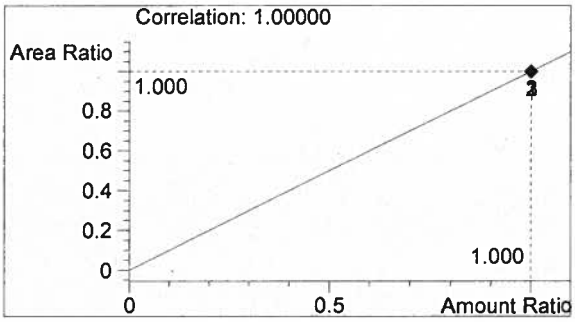


#	Compound	Area	RT
1	Ethanol	1400	1.027
2	n-Propanol	1424	1.760

Totals:



Ethanol 0.198 g/100ml



n-Propanol 1.000 g/100ml

AL
2012 MAR 21
AL 2012 Apr 06

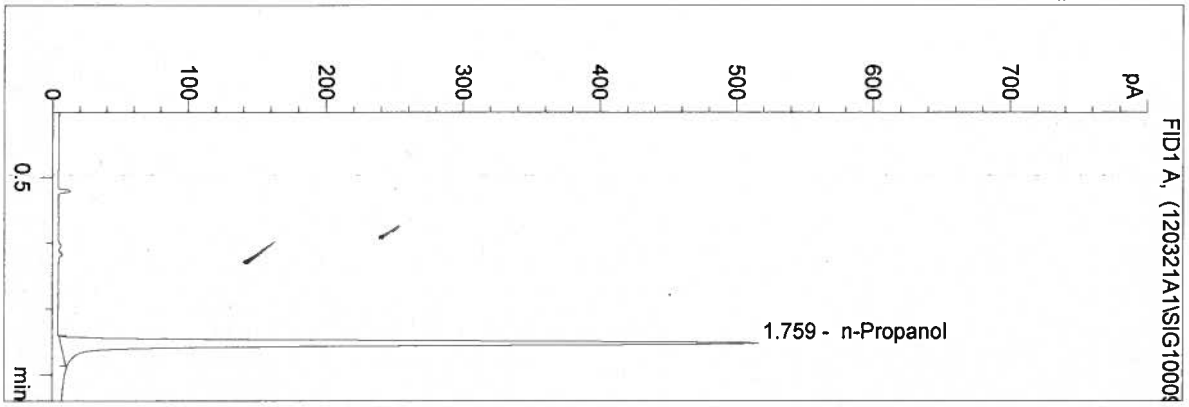
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 8:24:44 AM
Instrument 3
DB-ALC2

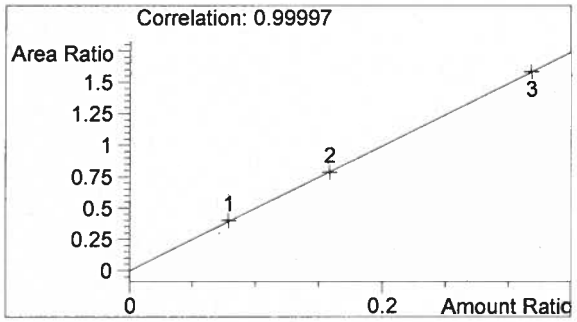
neg control - al
asa louis

vial # 9

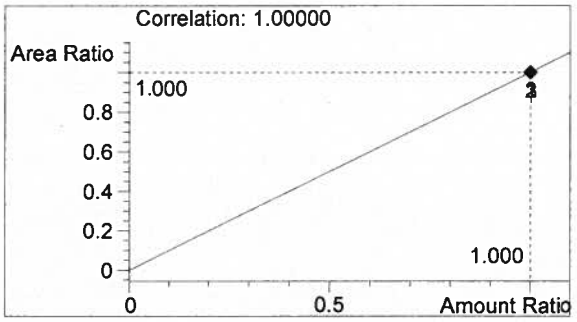


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1421	1.759

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

AL
2012 MAR 21

AL
2012 APR 04

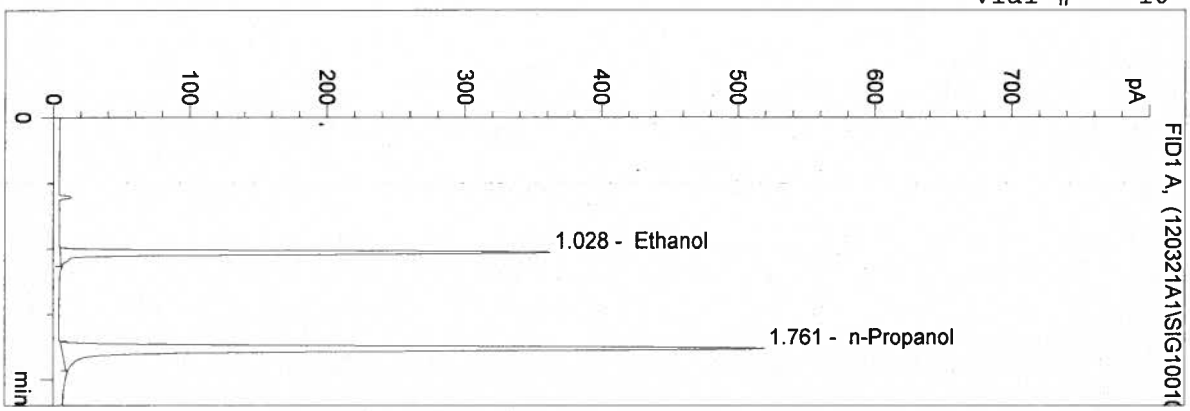
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 8:27:52 AM
Instrument 3
DB-ALC2

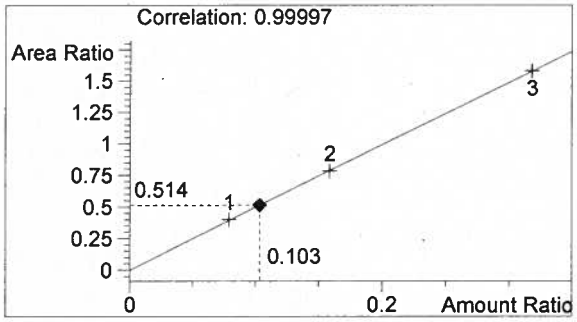
12014 #1
asa louis

vial # 10

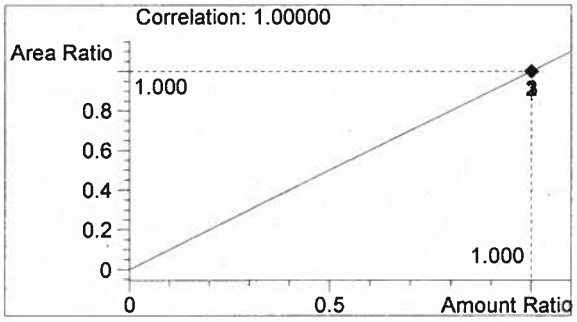


#	Compound	Area	RT
1	Ethanol	732	1.028
2	n-Propanol	1423	1.761

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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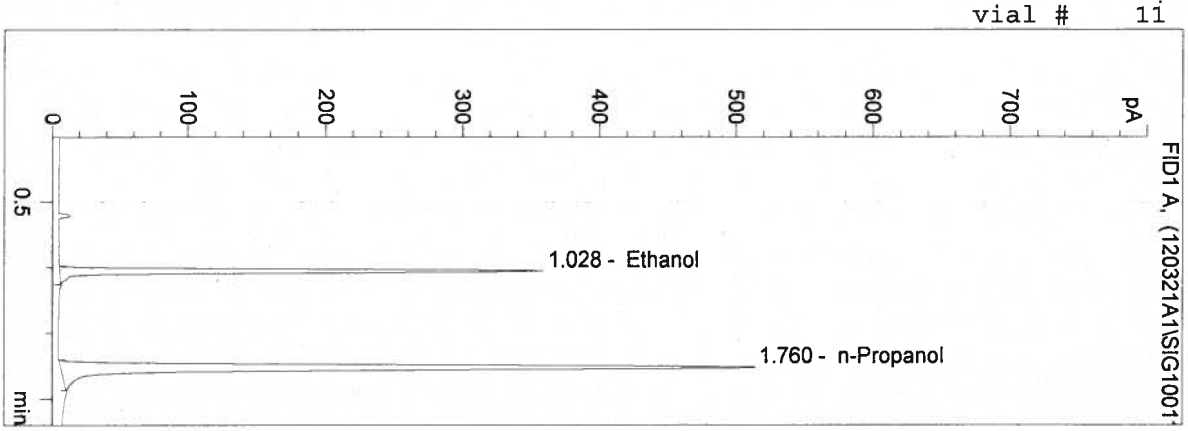
2012 Apr 06

WASHINGTON STATE TOXICOLOGY LABORATORY

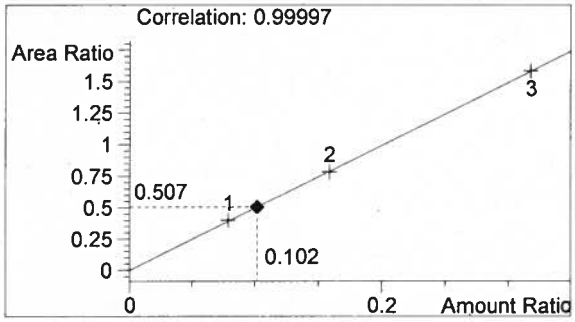
C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 8:31:00 AM
Instrument 3
DB-ALC2

12014 #2
asa louis

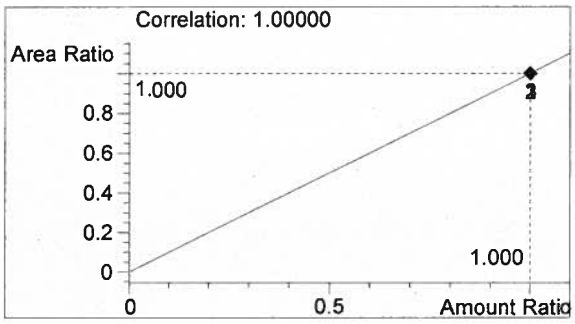
vial # 11



#	Compound	Area	RT
1	Ethanol	717	1.028
2	n-Propanol	1415	1.760
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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2012 MAR 21

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2012 APR 06

WASHINGTON STATE TOXICOLOGY LABORATORY

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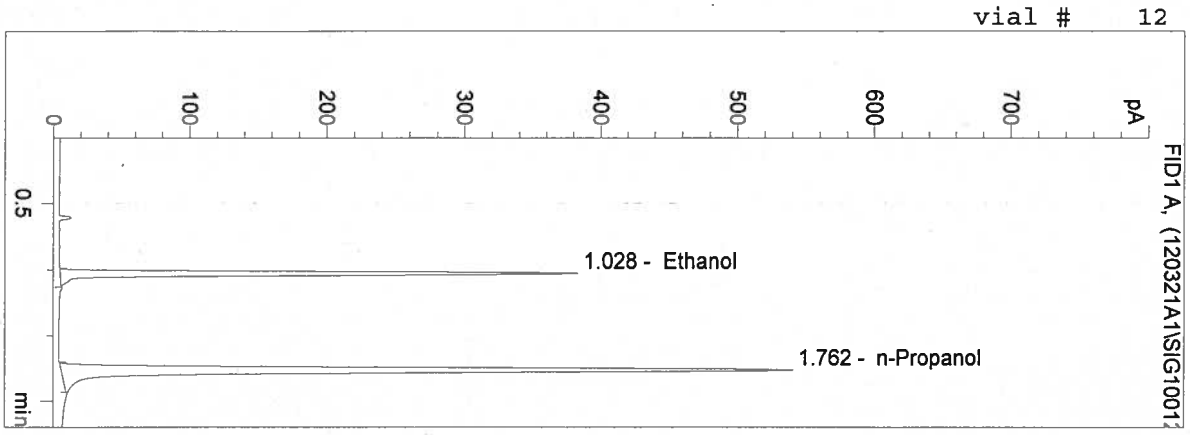
3/21/2012 8:34:07 AM
Instrument 3
DB-ALC2

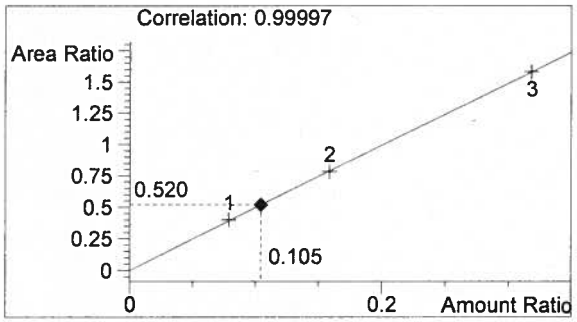
12014 #3
asa louis

vial # 12

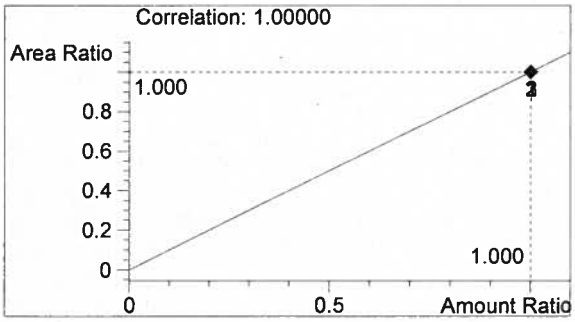


#	Compound	Area	RT
1	Ethanol	772	1.028
2	n-Propanol	1485	1.762

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

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2012 MAR 21

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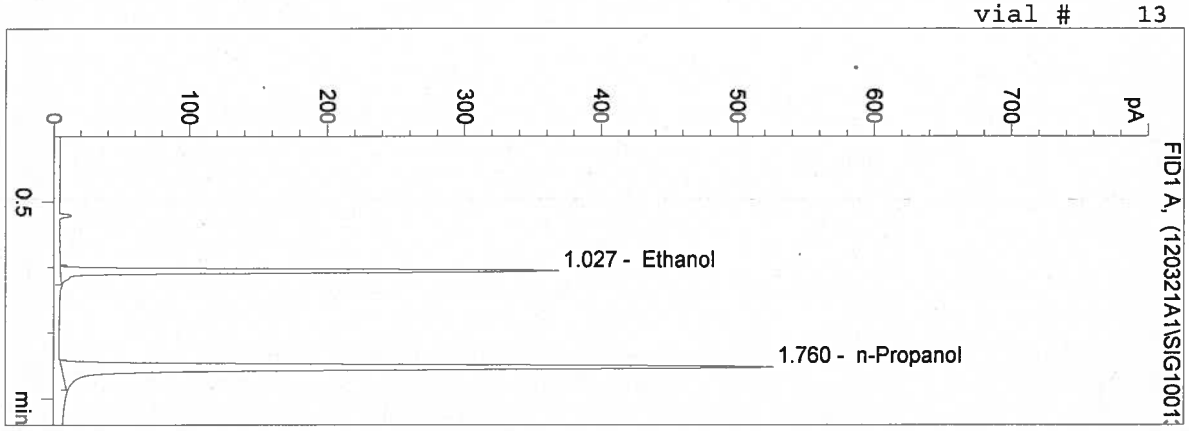
2012 Apr 06

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 8:37:15 AM
Instrument 3
DB-ALC2

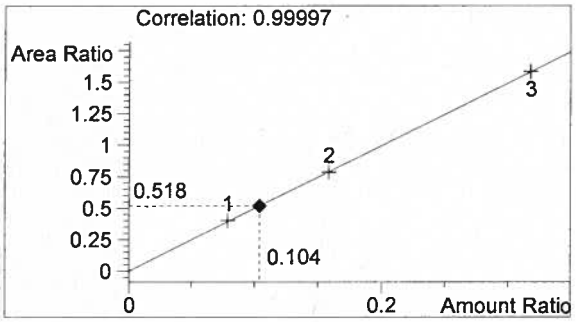
12014 #4
asa louis

vial # 13

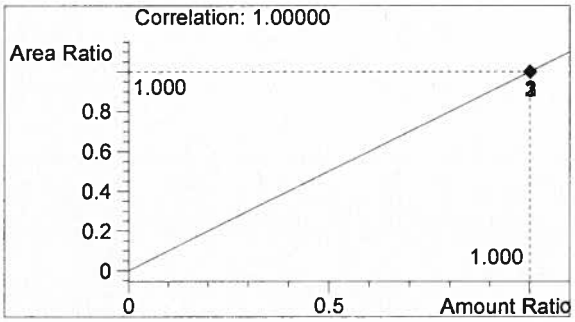


#	Compound	Area	RT
1	Ethanol	750	1.027
2	n-Propanol	1450	1.760

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

AR
2012 MAR 21

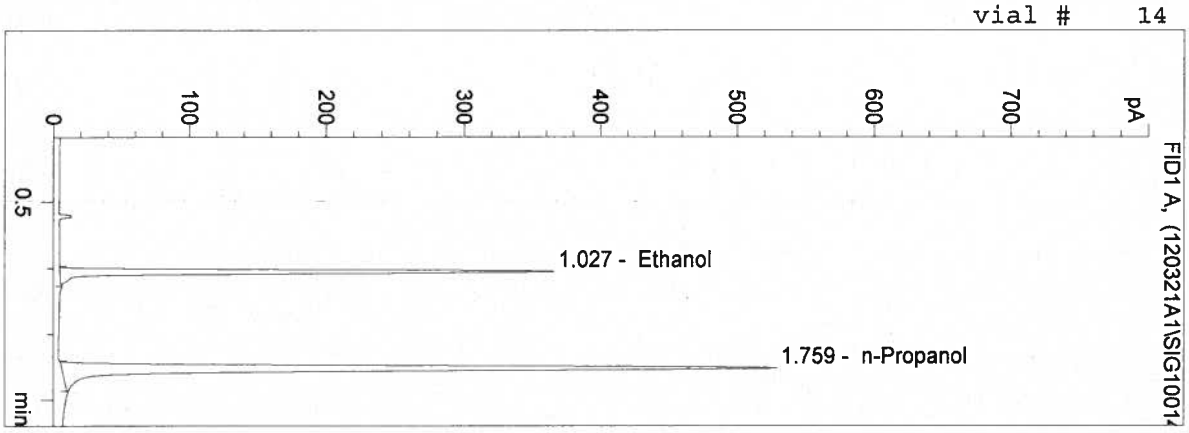
AR
2012 Apr 06

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 8:40:22 AM
Instrument 3
DB-ALC2

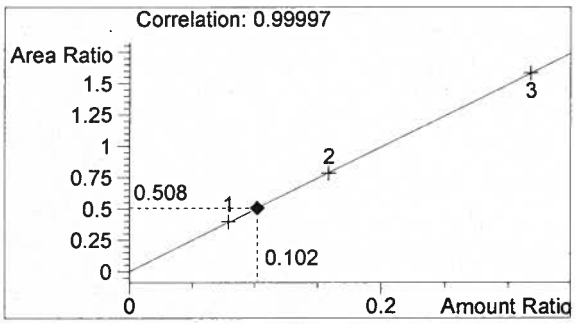
12014 #5
asa louis

vial # 14

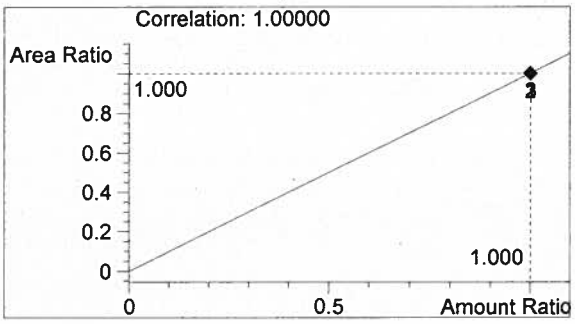


#	Compound	Area	RT
1	Ethanol	741	1.027
2	n-Propanol	1458	1.759

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

2012 MAR 21

2012 Apr 06

WASHINGTON STATE TOXICOLOGY LABORATORY

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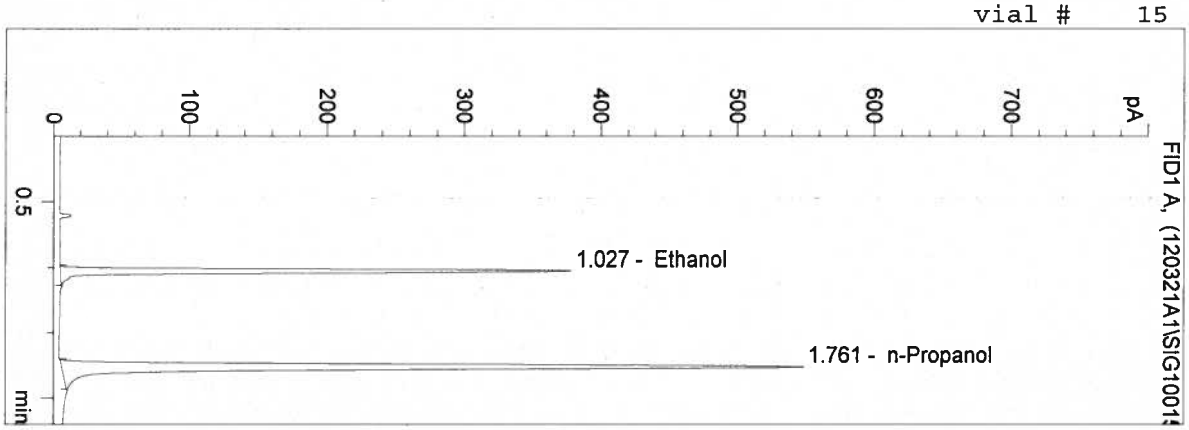
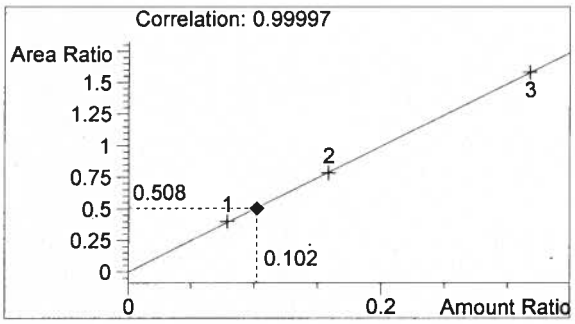
3/21/2012 8:43:30 AM
Instrument 3
DB-ALC2

0.10 ctrl al
asa louis

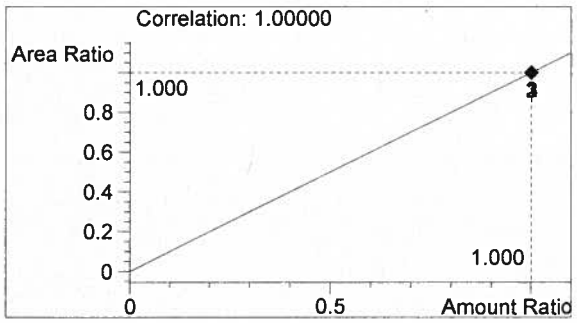
vial # 15



#	Compound	Area	RT
1	Ethanol	767	1.027
2	n-Propanol	1510	1.761
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

AL
2012 MAR 21

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2012 Apr 06

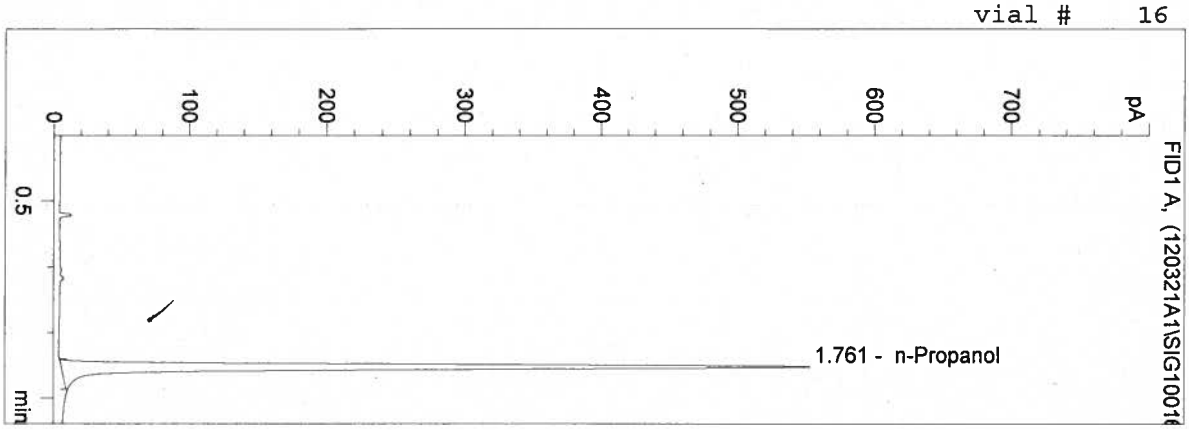
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 8:46:38 AM
Instrument 3
DB-ALC2

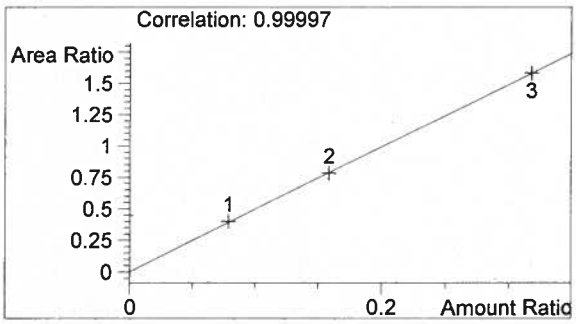
neg control - al
asa louis

vial # 16

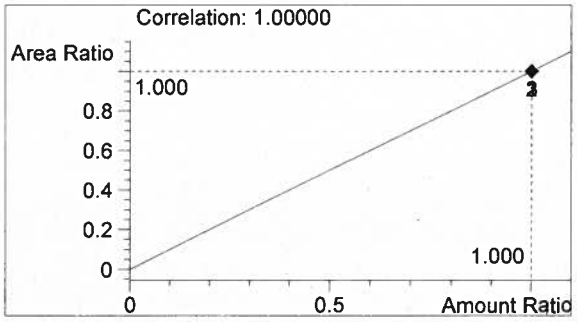


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1521	1.761

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

AC
2012 MAR 21
AC 2012 Apr 06

12014

Sequence: C:\HPCHEM\2\SEQUENCE\LNESSQAP.S

Sequence Parameters:

Operator:	Lisa Noble
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120321LN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0112-01 - Exp. 04/29/2012
Ethanol Calibrator 2, E0112-02 - Exp. 04/29/2012
Ethanol Calibrator 3, E0112-03 - Exp. 04/29/2012

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A083355 - Exp. 12/2015
0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - LN	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - LN	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
10	Vial 10	12014 #1	SIMALC3	1	Sample		
11	Vial 11	12014 #2	SIMALC3	1	Sample		
12	Vial 12	12014 #3	SIMALC3	1	Sample		
13	Vial 13	12014 #4	SIMALC3	1	Sample		
14	Vial 14	12014 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
17	Vial 17	12015 #1	SIMALC3	1	Sample		
18	Vial 18	12015 #2	SIMALC3	1	Sample		
19	Vial 19	12015 #3	SIMALC3	1	Sample		
20	Vial 20	12015 #4	SIMALC3	1	Sample		
21	Vial 21	12015 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
24	Vial 24	12016 #1	SIMALC3	1	Sample		
25	Vial 25	12016 #2	SIMALC3	1	Sample		
26	Vial 26	12016 #3	SIMALC3	1	Sample		
27	Vial 27	12016 #4	SIMALC3	1	Sample		
28	Vial 28	12016 #5	SIMALC3	1	Sample		

12014

LN 3/21/12

"Tray locked" error @ vial 27
Restarted where left off @
vial 28.

Sequence: C:\HPCHEM\2\SEQUENCE\LNESSQAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
29	Vial 29	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
31	Vial 31	12017 #1	SIMALC3	1	Sample		
32	Vial 32	12017 #2	SIMALC3	1	Sample		
33	Vial 33	12017 #3	SIMALC3	1	Sample		
34	Vial 34	12017 #4	SIMALC3	1	Sample		
35	Vial 35	12017 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
38	Vial 38	12018 #1	SIMALC3	1	Sample		
39	Vial 39	12018 #2	SIMALC3	1	Sample		
40	Vial 40	12018 #3	SIMALC3	1	Sample		
41	Vial 41	12018 #4	SIMALC3	1	Sample		
42	Vial 42	12018 #5	SIMALC3	1	Sample		
43	Vial 43	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		

"Tray locked" error again @ vial 40. Restarted sequence at vial 41. See datapath 120321L3. LN 3/21/12

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

120.14

Sequence: C:\HPCHEM\2\SEQUENCE\LNESSQAP.S

Sequence Parameters:

Operator:	Lisa Noble
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120321L2
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0112-01 - Exp. 04/29/2012
Ethanol Calibrator 2, E0112-02 - Exp. 04/29/2012
Ethanol Calibrator 3, E0112-03 - Exp. 04/29/2012

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A083355 - Exp. 12/2015
0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 28	12016 #5	SIMALC3	1	Sample		
2	Vial 29	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
3	Vial 30	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
4	Vial 31	12017 #1	SIMALC3	1	Sample		
5	Vial 32	12017 #2	SIMALC3	1	Sample		
6	Vial 33	12017 #3	SIMALC3	1	Sample		
7	Vial 34	12017 #4	SIMALC3	1	Sample		
8	Vial 35	12017 #5	SIMALC3	1	Sample		
9	Vial 36	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
10	Vial 37	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		
11	Vial 38	12018 #1	SIMALC3	1	Sample		
12	Vial 39	12018 #2	SIMALC3	1	Sample		
13	Vial 40	12018 #3	SIMALC3	1	Sample		
14	Vial 41	12018 #4	SIMALC3	1	Sample		
15	Vial 42	12018 #5	SIMALC3	1	Sample		
16	Vial 43	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
17	Vial 44	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		

Continuation of sequence after "tray locked" error.
LN 3/21/12

Tray locked error again @ vial 40 - restarted @ vial 41. See datapath 120321L3.
LN 3/21/12

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval

12014

Sequence Table (Back Injector):

No entries - empty table!

fn

12014

Sequence Parameters:

Operator:	Lisa Noble
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120321L3
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0112-01 - Exp. 04/29/2012
Ethanol Calibrator 2, E0112-02 - Exp. 04/29/2012
Ethanol Calibrator 3, E0112-03 - Exp. 04/29/2012

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A083355 - Exp. 12/2015
0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 41	12018 #4	SIMALC3	1	Sample		
2	Vial 42	12018 #5	SIMALC3	1	Sample		
3	Vial 43	0.10 CTRL - LN	SIMALC3	1	Ctrl Samp		
4	Vial 44	NEG CTRL - LN	SIMALC3	1	Ctrl Samp		

Continuation of sequence after "tray locked" error.
LN 3/21/12

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval

Sequence Table (Back Injector):

No entries - empty table!

12014

Calibration Table

Calib. Data Modified : Wednesday, March 21, 2012 11:20:38 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl	Sig	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.028	1	1	7.90200e-2	571.74225	1.38209e-4	1		Ethanol
		2	1.58720e-1	1218.87366	1.30219e-4			
		3	3.17800e-1	2360.27856	1.34645e-4			
1.761	1	1	1.00000	1438.30054	6.95265e-4	I1		n-Propanol
		2	1.00000	1521.13452	6.57404e-4			
		3	1.00000	1480.75476	6.75331e-4			

Peak Sum Table

No Entries in table

12014

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Calibration Curves

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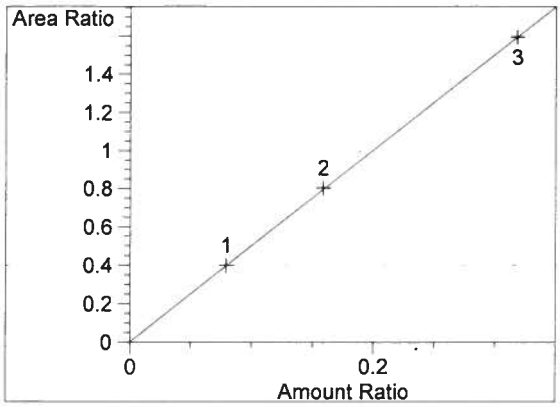
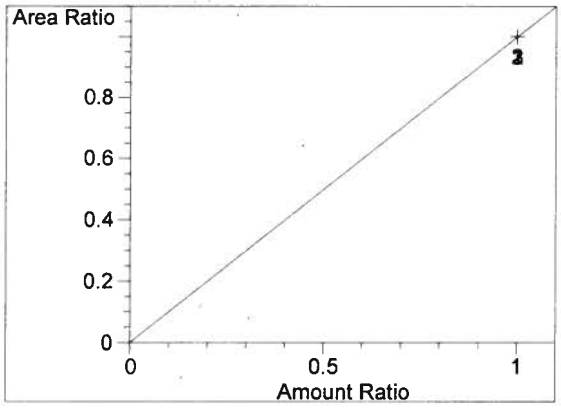


Ethanol at exp. RT: 1.028
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00303
Formula: y = mx + b
m: 5.01623
b: 1.51405e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.761
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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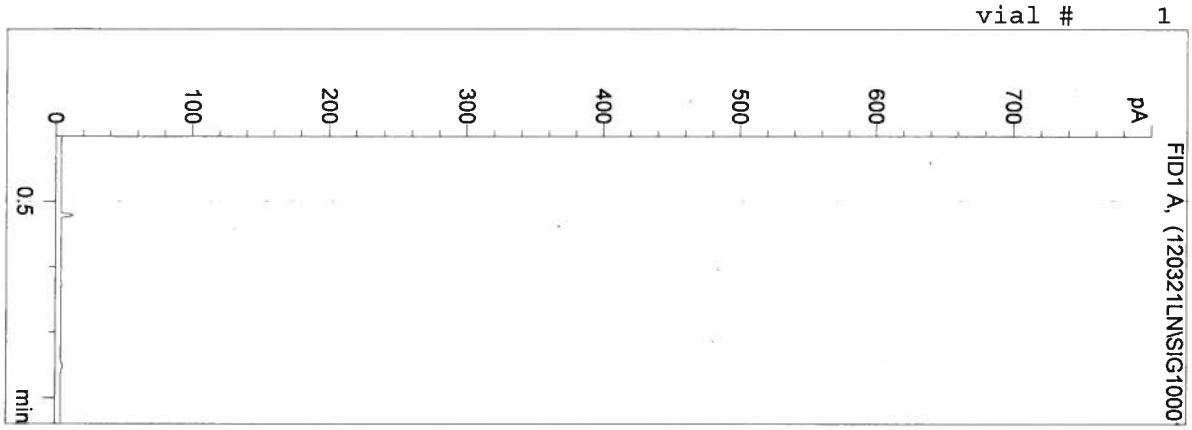
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 11:09:02 AM
Instrument 3
DB-ALC2

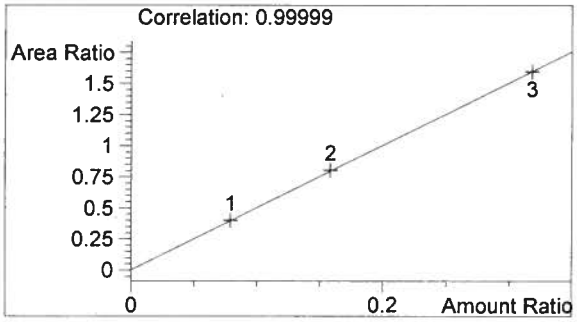
BLANK
Lisa Noble

vial # 1

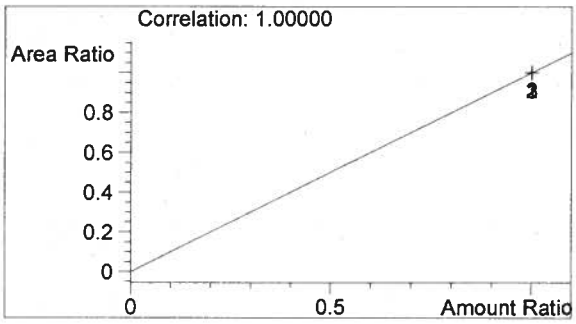


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

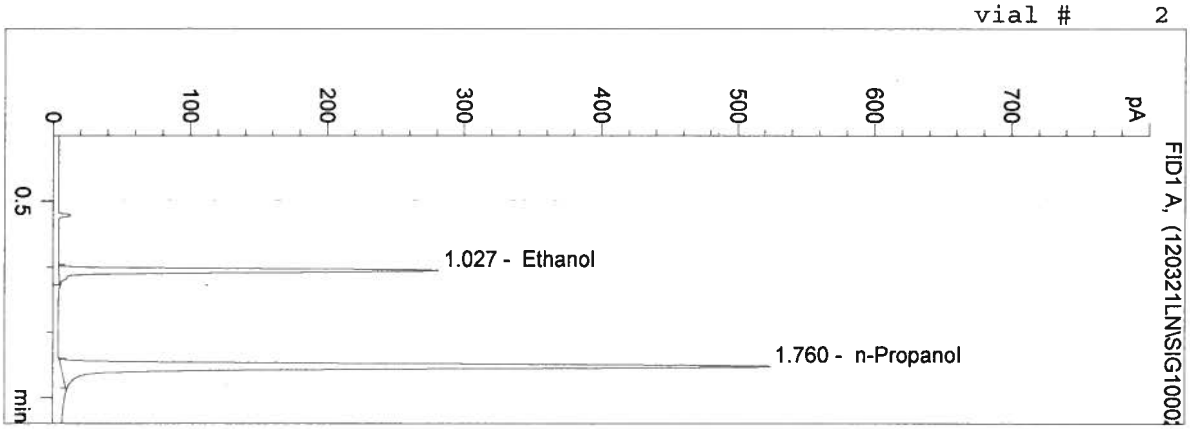
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

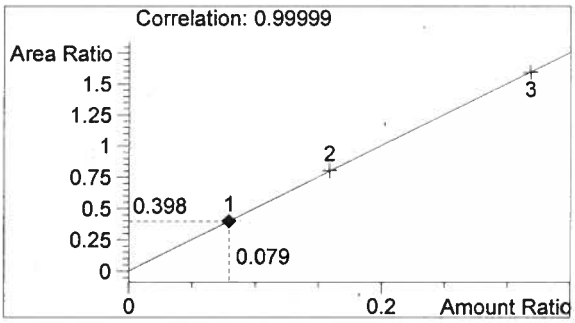
C:\HPCHEM\2\METHODS\SIMALC3.M
3/21/2012 11:12:10 AM
Instrument 3
DB-ALC2

0.079 CAL
Lisa Noble

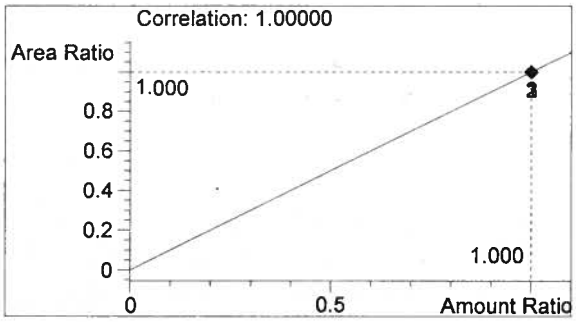
vial # 2



#	Compound	Area	RT
1	Ethanol	572	1.027
2	n-Propanol	1438	1.760
Totals:			



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

12014

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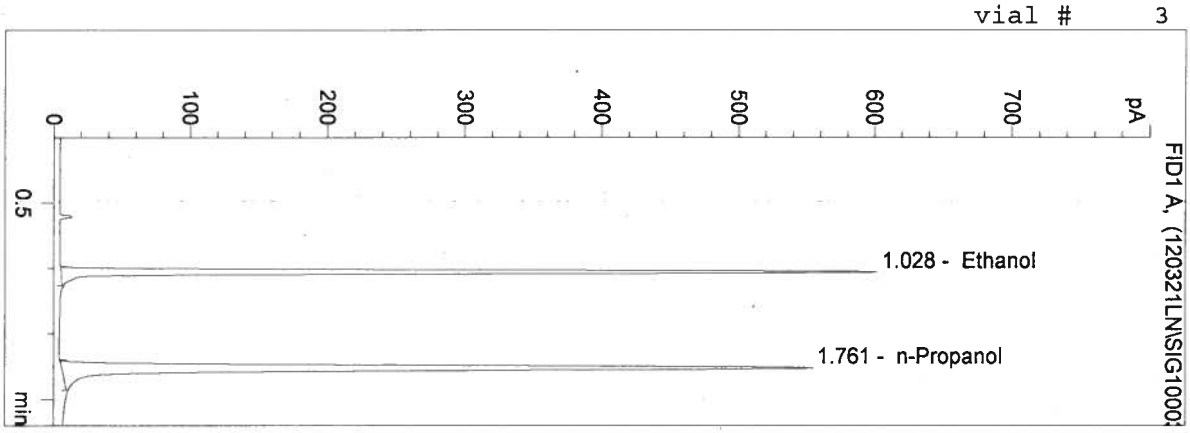
3/21/2012 11:15:18 AM
Instrument 3
DB-ALC2

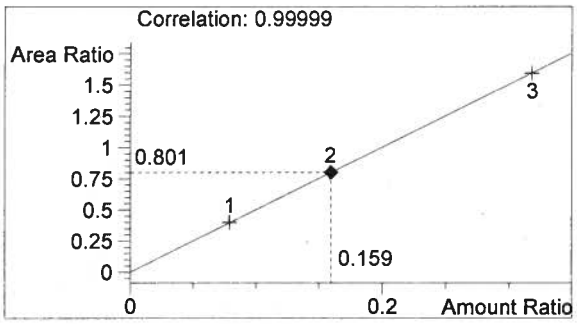
0.158 CAL
Lisa Noble

vial # 3

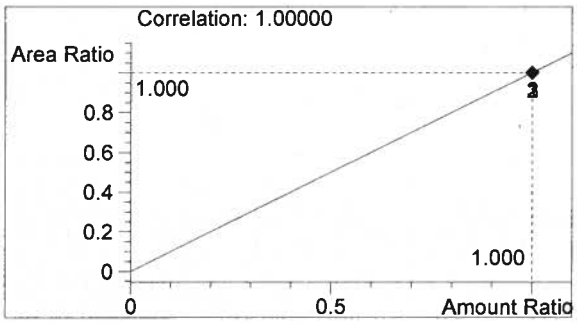


#	Compound	Area	RT
1	Ethanol	1219	1.028
2	n-Propanol	1521	1.761

Totals:



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

12014

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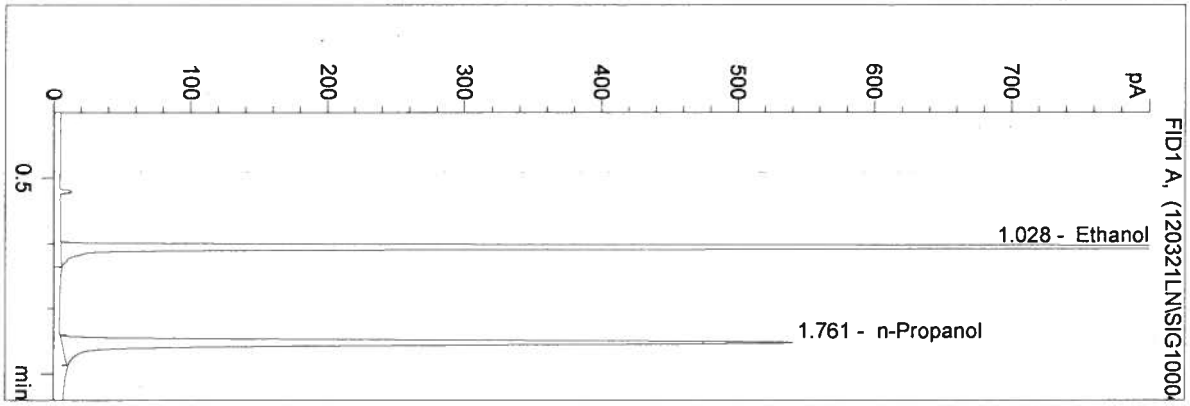
3/21/2012 11:18:25 AM
Instrument 3
DB-ALC2

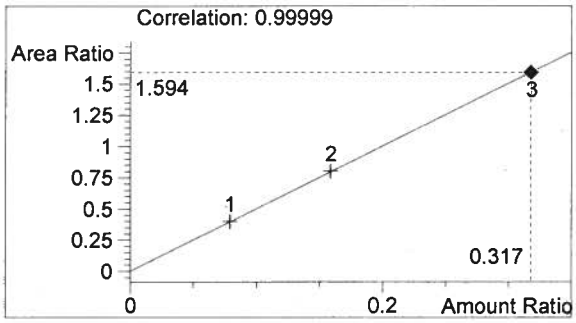
0.316 CAL
Lisa Noble

vial # 4

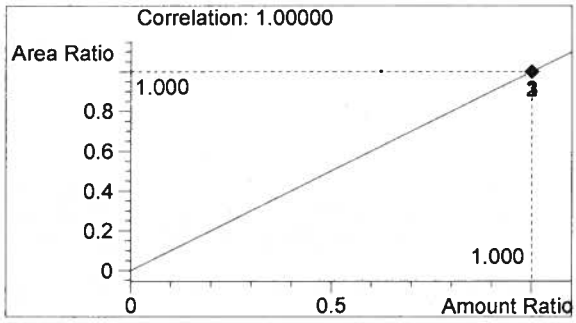


#	Compound	Area	RT
1	Ethanol	2360	1.028
2	n-Propanol	1481	1.761

Totals:



Ethanol 0.317 g/100ml



n-Propanol 1.000 g/100ml

12014

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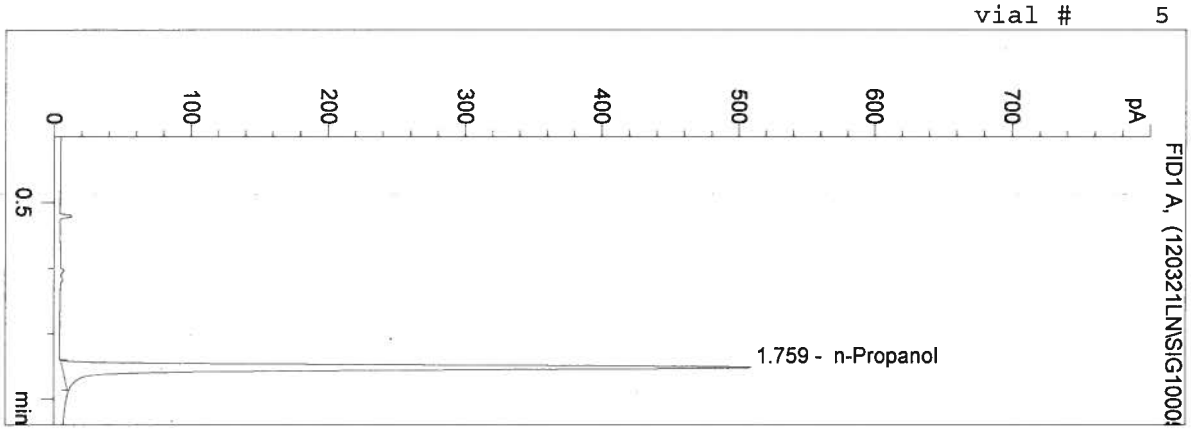
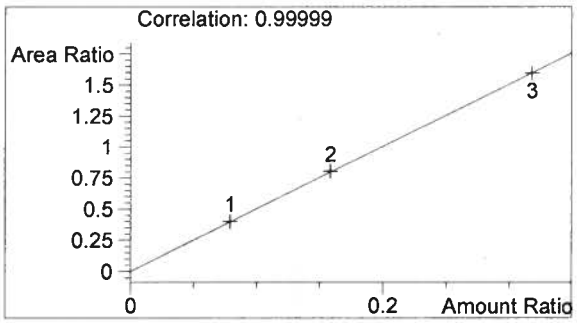
3/21/2012 11:21:33 AM
Instrument 3
DB-ALC2

NEG CTRL - LN
Lisa Noble

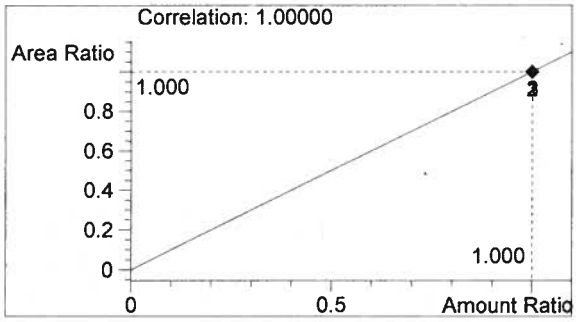
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1404	1.759
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12014

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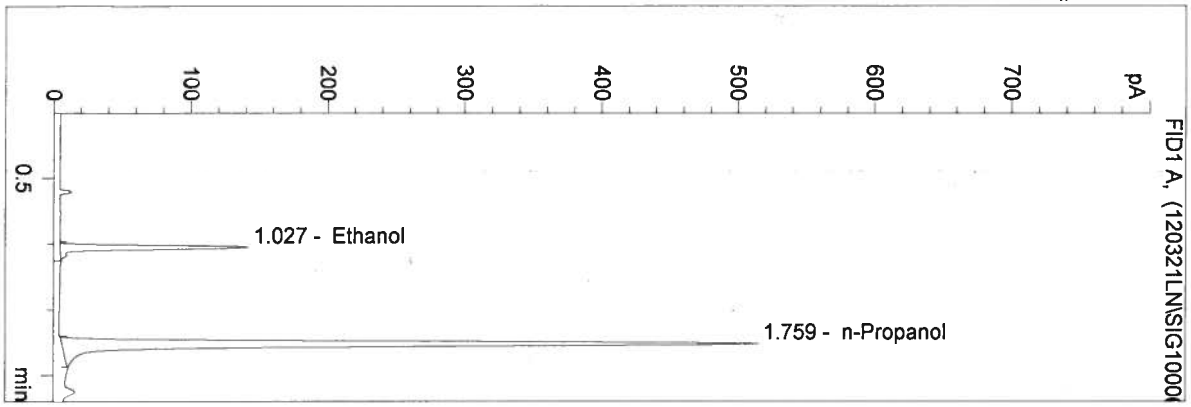
3/21/2012 11:24:40 AM
Instrument 3
DB-ALC2

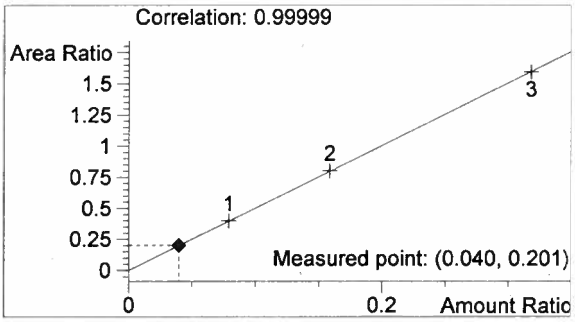
0.04 CTRL - LN
Lisa Noble

vial # 6

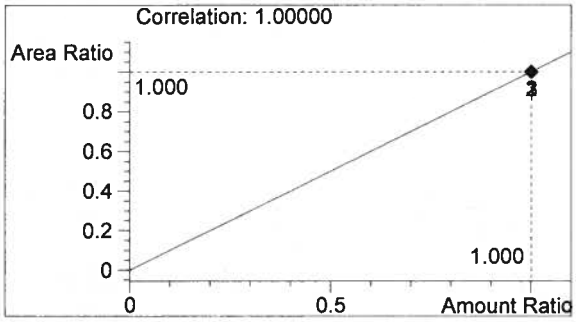


#	Compound	Area	RT
1	Ethanol	286	1.027
2	n-Propanol	1420	1.759

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

12014

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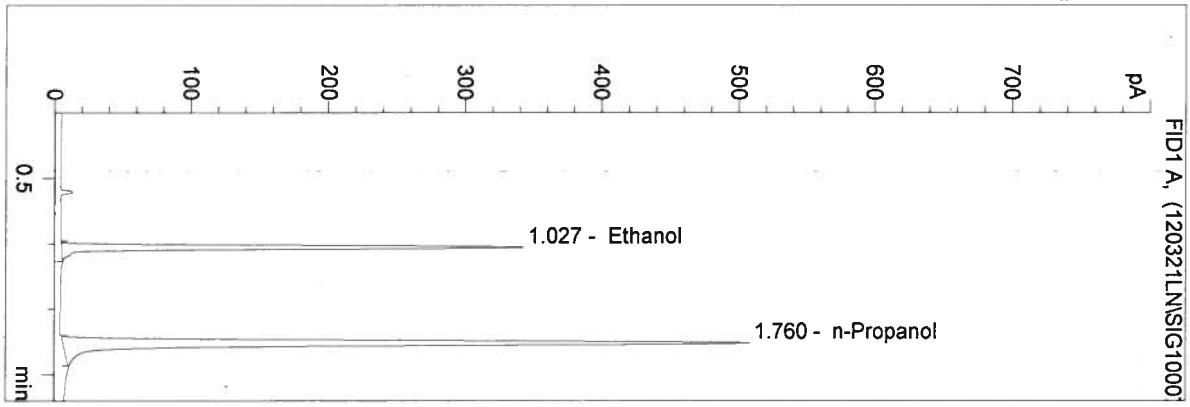
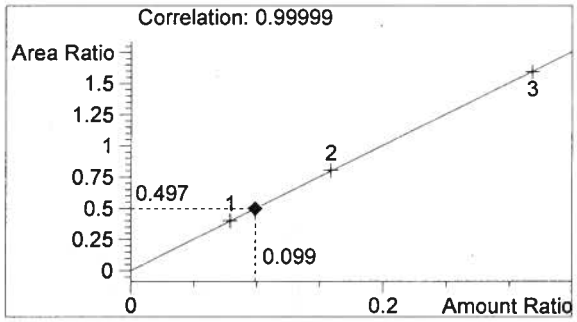
3/21/2012 11:27:48 AM
Instrument 3
DB-ALC2

0.10 CTRL - LN
Lisa Noble

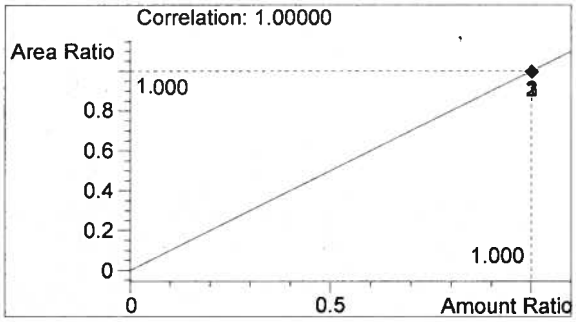
vial # 7



#	Compound	Area	RT
1	Ethanol	695	1.027
2	n-Propanol	1398	1.760
Totals:			



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

12014

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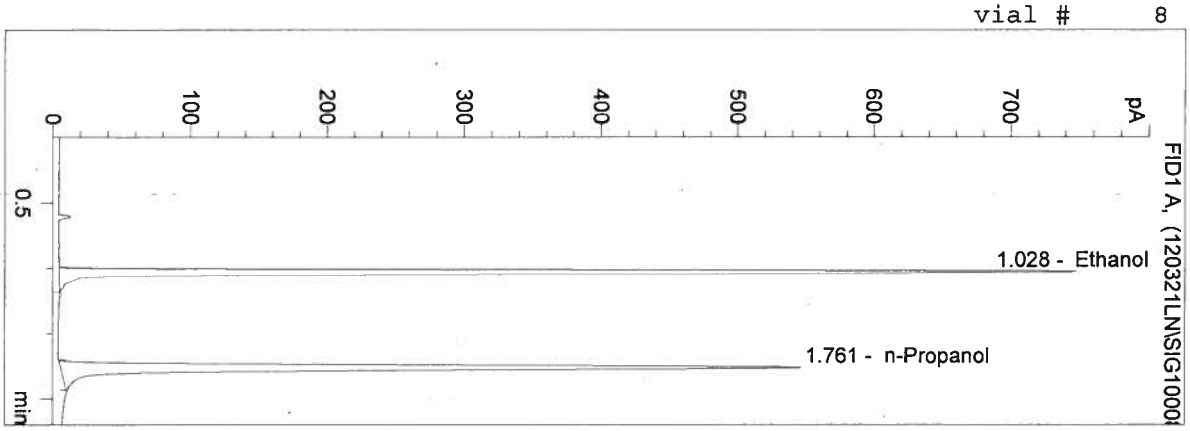
3/21/2012 11:30:55 AM
Instrument 3
DB-ALC2

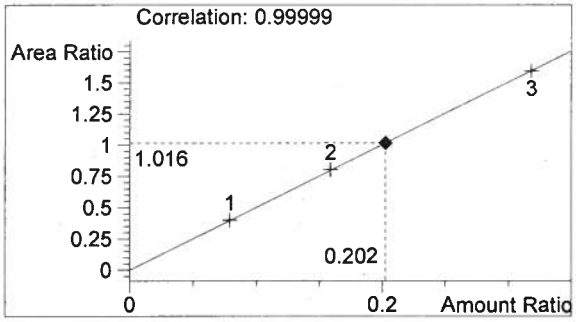
0.20 CTRL - LN
Lisa Noble

vial # 8

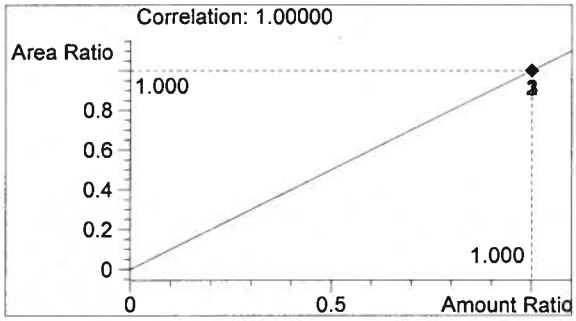


#	Compound	Area	RT
1	Ethanol	1522	1.028
2	n-Propanol	1497	1.761

Totals:



Ethanol 0.202 g/100ml



n-Propanol 1.000 g/100ml

12014

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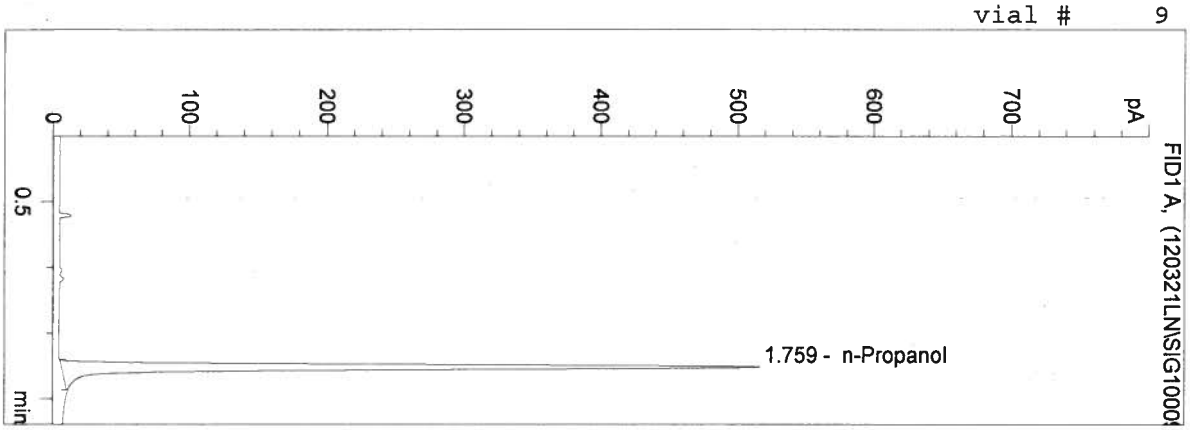
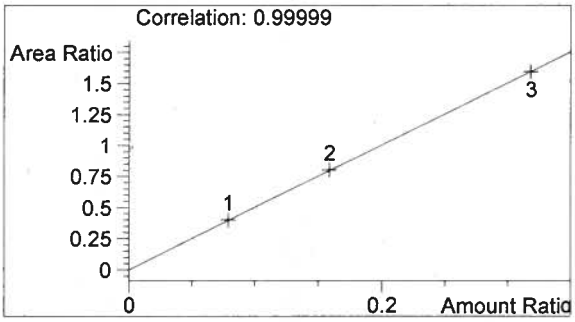
3/21/2012 11:34:03 AM
Instrument 3
DB-ALC2

NEG CTRL - LN
Lisa Noble

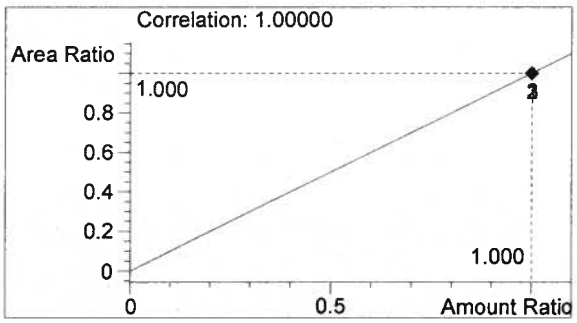
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1427	1.759
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12014

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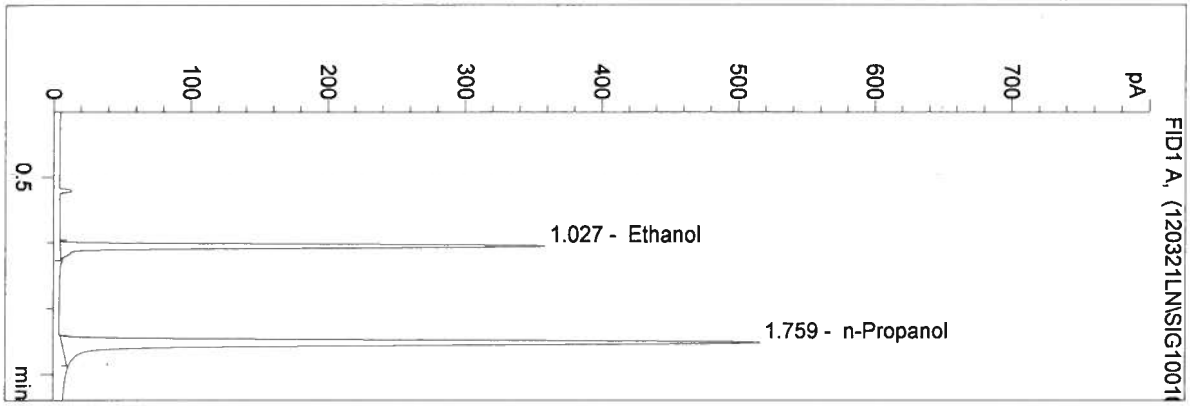
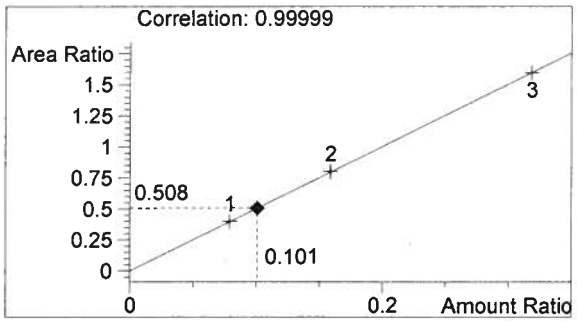
3/21/2012 11:37:10 AM
Instrument 3
DB-ALC2

12014 #1
Lisa Noble

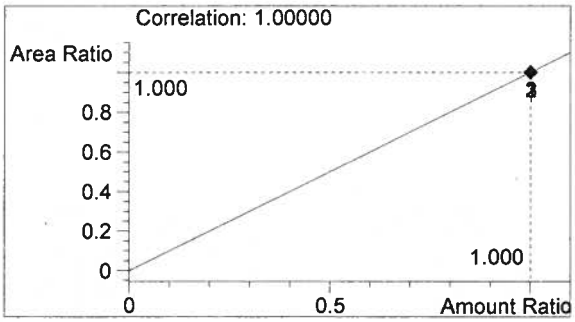
vial # 10



#	Compound	Area	RT
1	Ethanol	721	1.027
2	n-Propanol	1419	1.759
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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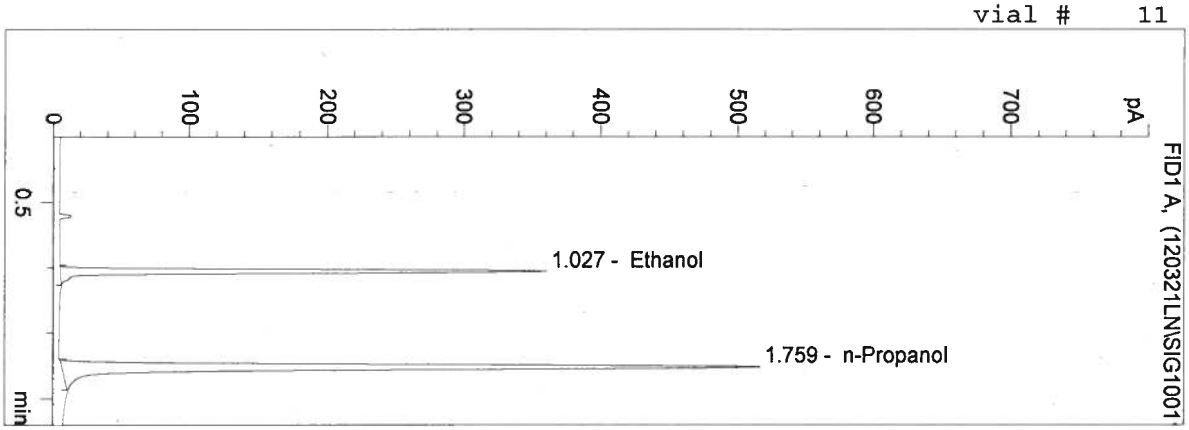
3/21/2012 11:40:18 AM
Instrument 3
DB-ALC2

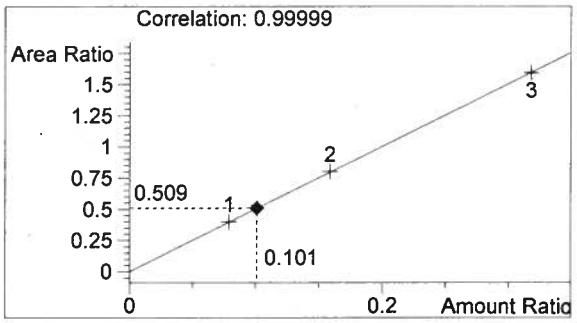
12014 #2
Lisa Noble

vial # 11

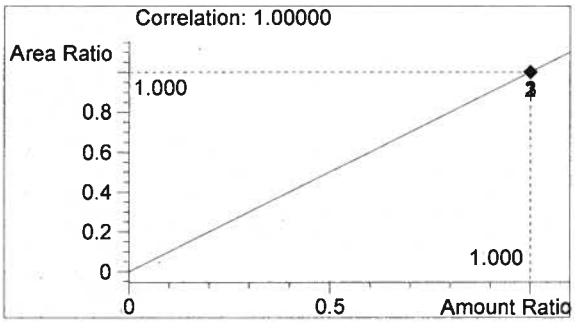


#	Compound	Area	RT
1	Ethanol	723	1.027
2	n-Propanol	1419	1.759

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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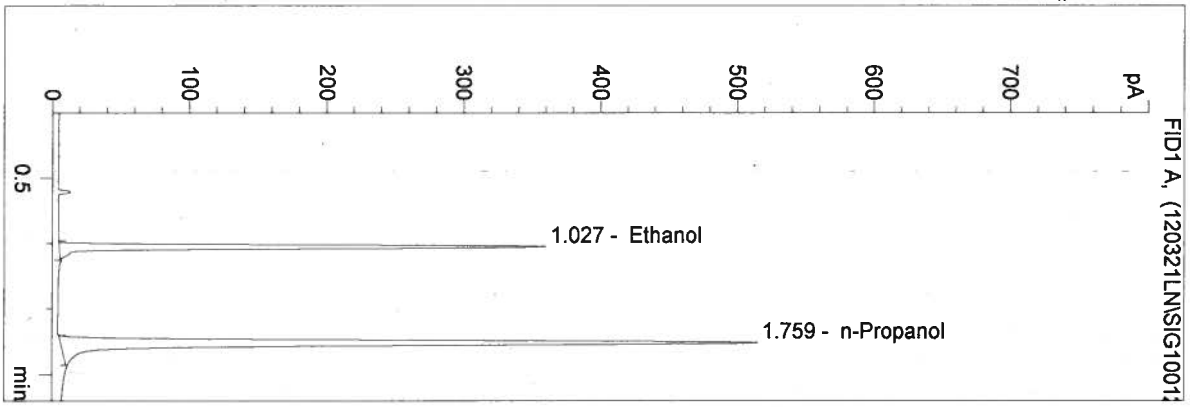
3/21/2012 11:43:25 AM
Instrument 3
DB-ALC2

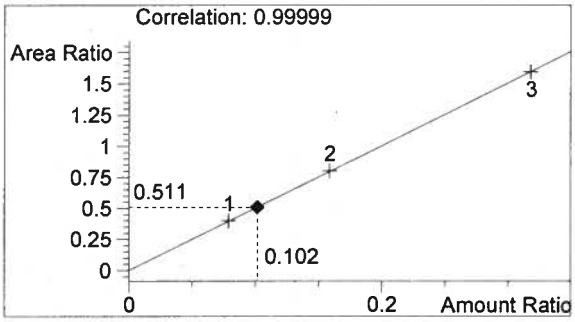
12014 #3
Lisa Noble

vial # 12

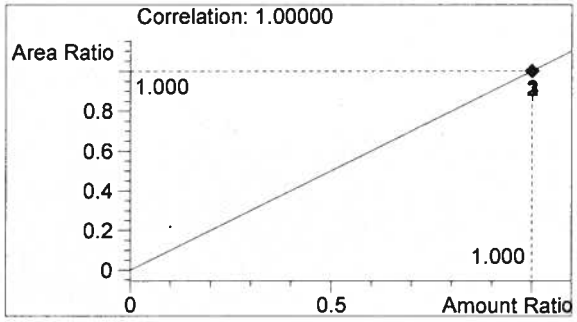


#	Compound	Area	RT
1	Ethanol	721	1.027
2	n-Propanol	1412	1.759

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

Jn

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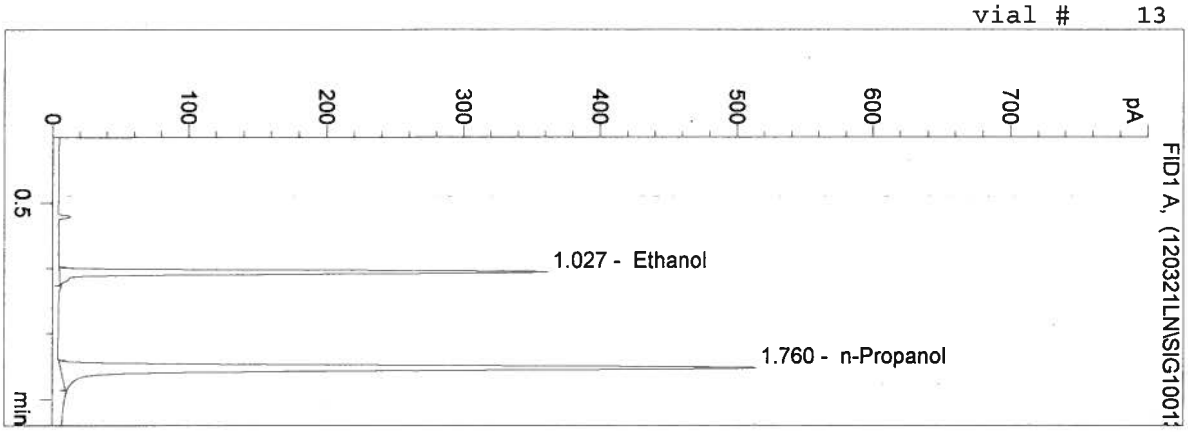
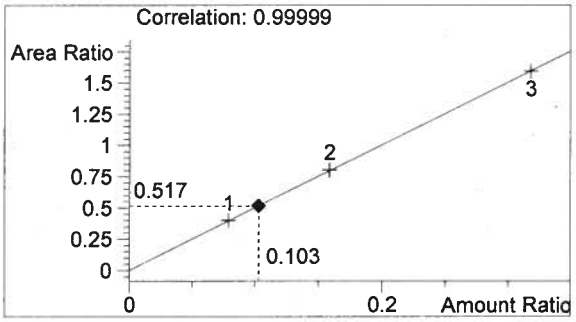
3/21/2012 11:46:33 AM
Instrument 3
DB-ALC2

12014 #4
Lisa Noble

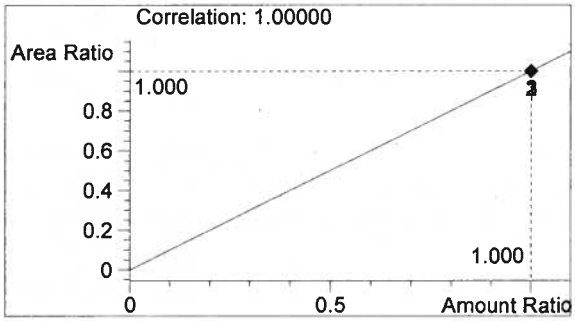
vial # 13



#	Compound	Area	RT
1	Ethanol	731	1.027
2	n-Propanol	1412	1.760
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

fn

WASHINGTON STATE TOXICOLOGY LABORATORY

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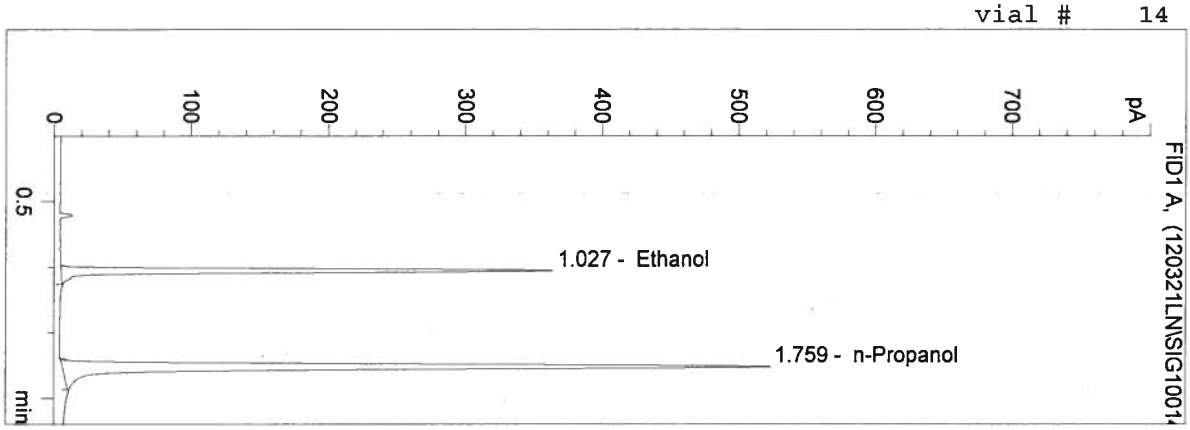
3/21/2012 11:49:40 AM
Instrument 3
DB-ALC2

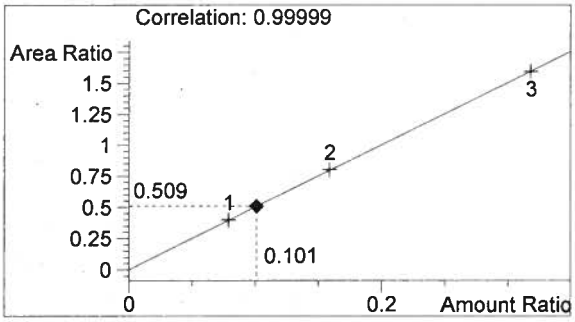
12014 #5
Lisa Noble

vial # 14

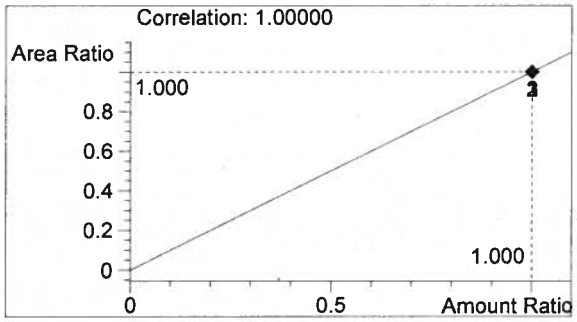


#	Compound	Area	RT
1	Ethanol	733	1.027
2	n-Propanol	1439	1.759

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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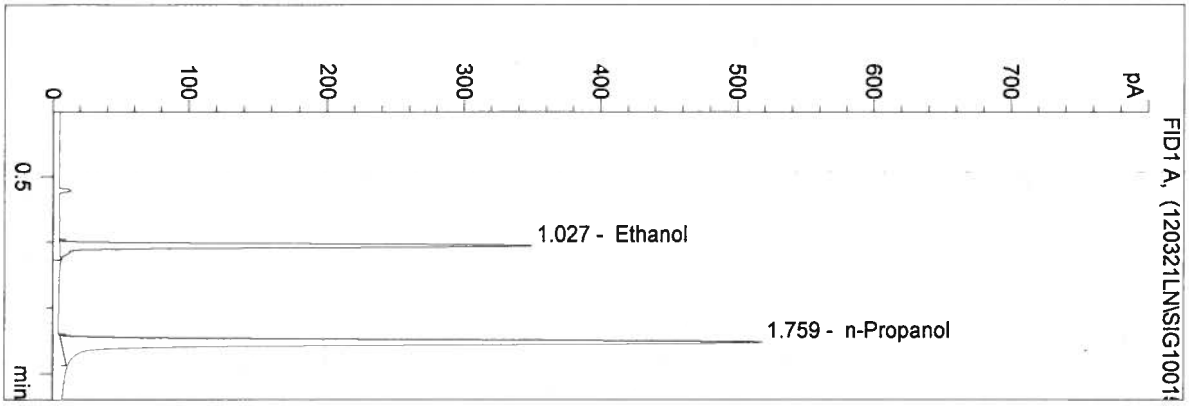
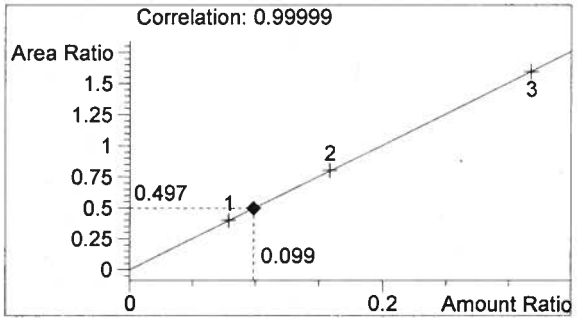
3/21/2012 11:52:48 AM
Instrument 3
DB-ALC2

0.10 CTRL - LN
Lisa Noble

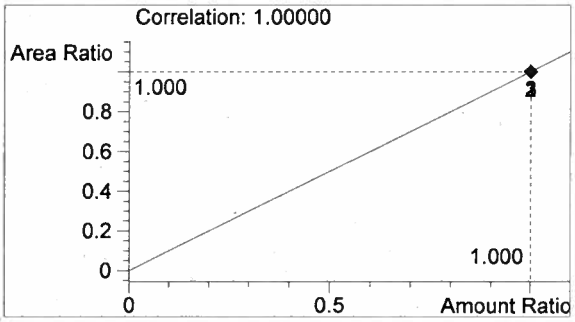
vial # 15



#	Compound	Area	RT
1	Ethanol	710	1.027
2	n-Propanol	1430	1.759
Totals:			



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

fn

12014

WASHINGTON STATE TOXICOLOGY LABORATORY

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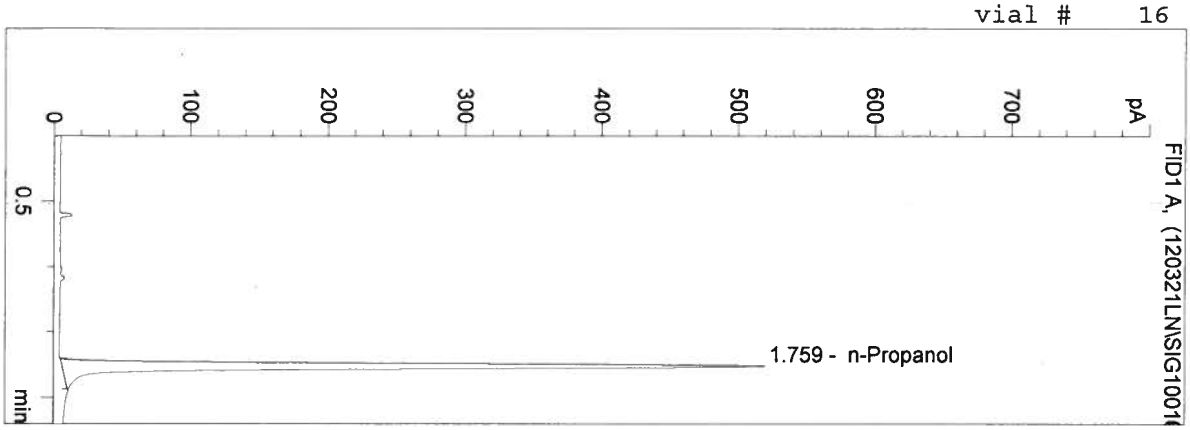
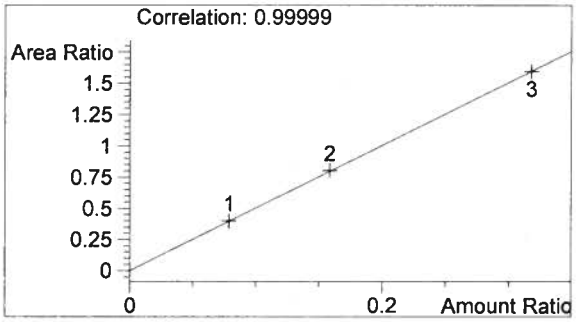
3/21/2012 11:55:55 AM
Instrument 3
DB-ALC2

NEG CTRL - LN
Lisa Noble

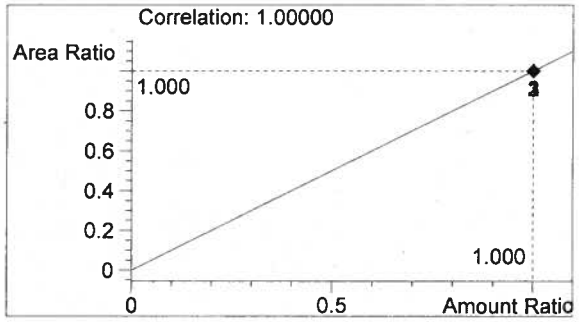
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1432	1.759
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12014

Sequence Parameters:

Operator:	Chris Johnston
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120323CJ
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1- Lot # E0112-01 - exp 4/29/12
Cal 2- Lot # E0112-02 - exp 4/29/12
Cal 3- Lot # E0112-03 - exp 4/29/12

2015 CJ 4/12/2012

0.04 Control - Lot # A077459 - exp 02/~~2012~~
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Cal 1 Lot # E0112-01
3	Vial 3	Cal 2 Lot # E0112-02
4	Vial 4	Cal 3 Lot # E0112-03
5	Vial 5	
6	Vial 6	0.04 control lot# a077459 exp 02/~~2012~~ 2015 CJ 4/12/2012
7	Vial 7	0.10 control lot# a083355 - exp 12/2015
8	Vial 8	0.20 control lot# a076521 exp 12/2014
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

12014

CJ

Sequence: C:\HPCHEM\2\SEQUENCE\CJEXTST3.S

Line	Location	Sample Information
15	Vial 15	0.10 control lot# a083355 - exp 12/2015
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK-CJ	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL-CJ	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-CJ	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-CJ	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-CJ	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL-CJ	SIMALC3	1	Ctrl Samp		
10	Vial 10	ESS 12014 #1	SIMALC3	1	Sample		
11	Vial 11	ESS 12014 #2	SIMALC3	1	Sample		
12	Vial 12	ESS 12014 #3	SIMALC3	1	Sample		
13	Vial 13	ESS 12014 #4	SIMALC3	1	Sample		
14	Vial 14	ESS 12014 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL-CJ	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL-CJ	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12014 CJ

Calibration Table

Calib. Data Modified : Friday, March 23, 2012 4:04:48 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.027	1	1	7.90200e-2	554.37036	1.42540e-4		1	Ethanol
		2	1.58720e-1	1118.26685	1.41934e-4			
		3	3.17800e-1	2239.73706	1.41892e-4			
1.759	1	1	1.00000	1393.46326	7.17636e-4	I1		n-Propanol
		2	1.00000	1421.15210	7.03654e-4			
		3	1.00000	1427.28882	7.00629e-4			

Peak Sum Table

No Entries in table

CJ

12014

Reprint for 3/23/2012 CJ

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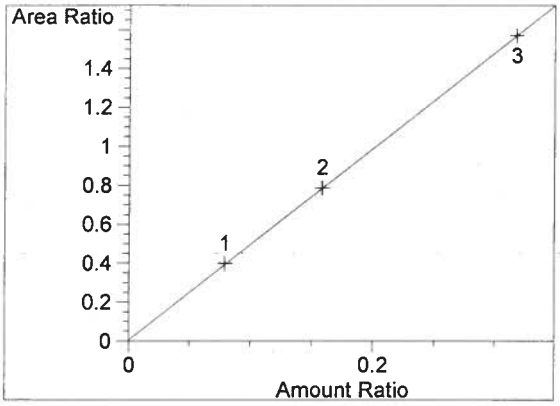
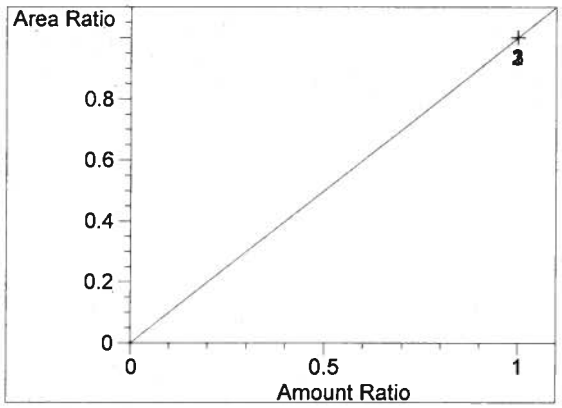
Calibration Curves

==========



Ethanol at exp. RT: 1.027
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00427
Formula: y = mx + b
m: 4.93062
b: 3.69500e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.759
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

12014

CJ

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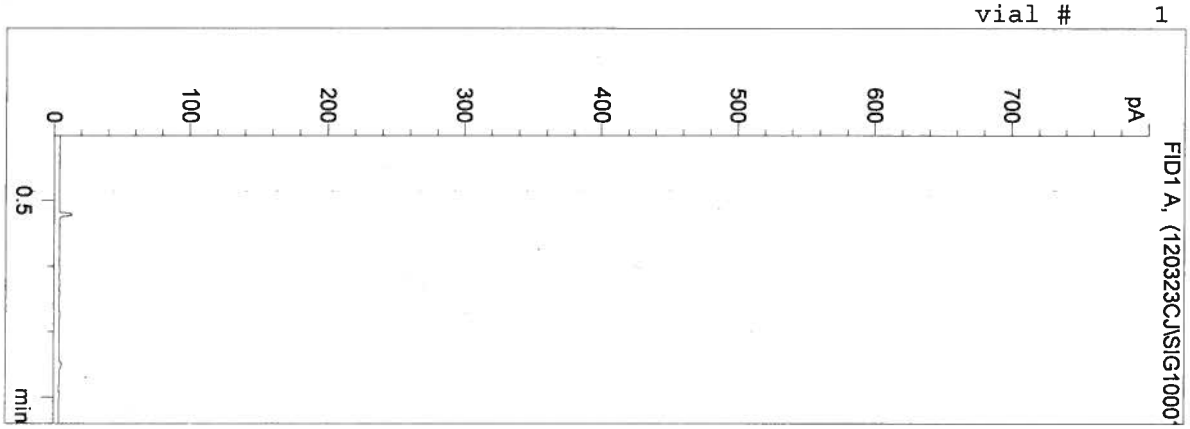
C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 3:53:13 PM
Instrument 3
DB-ALC2

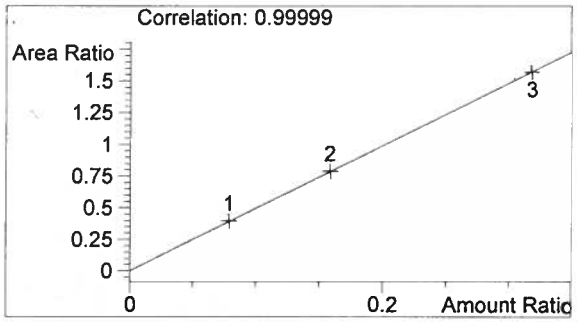
BLANK-CJ
Chris Johnston

vial # 1

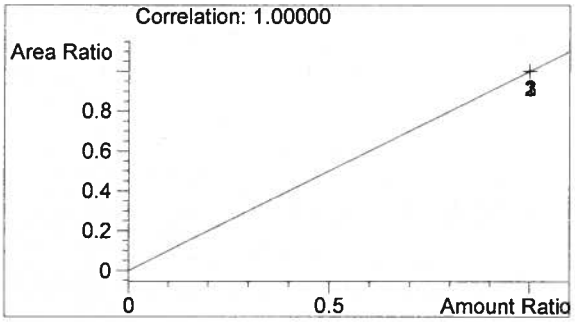


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

12014

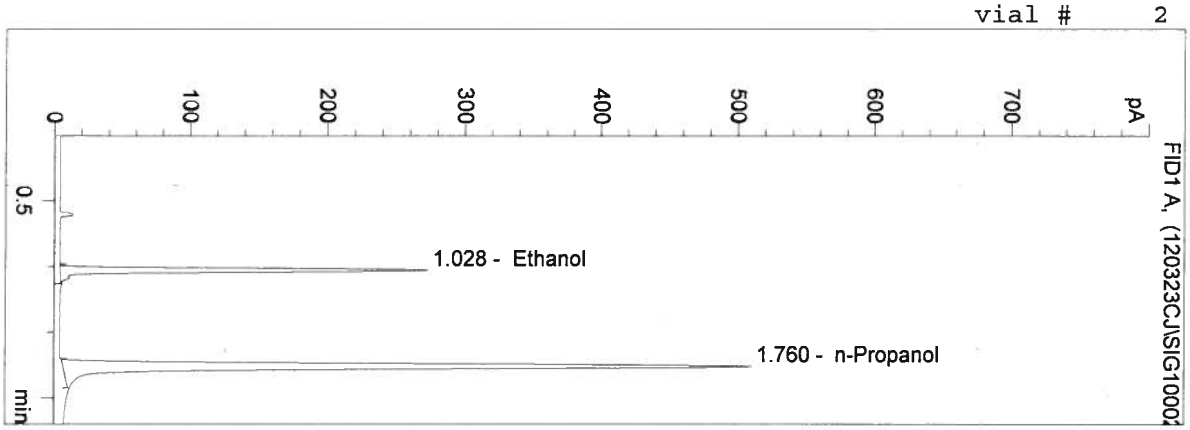
a

WASHINGTON STATE TOXICOLOGY LABORATORY

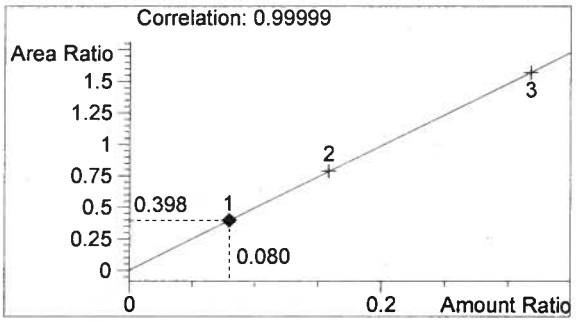
C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 3:56:21 PM
Instrument 3
DB-ALC2

0.079 CAL 1
Chris Johnston

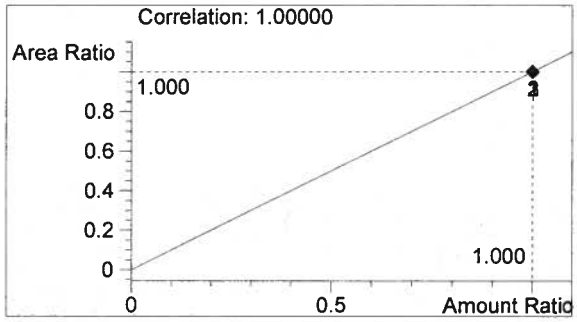
vial # 2



#	Compound	Area	RT
1	Ethanol	554	1.028
2	n-Propanol	1393	1.760
Totals:			



Ethanol 0.080 g/100ml



n-Propanol 1.000 g/100ml

12014

CJ

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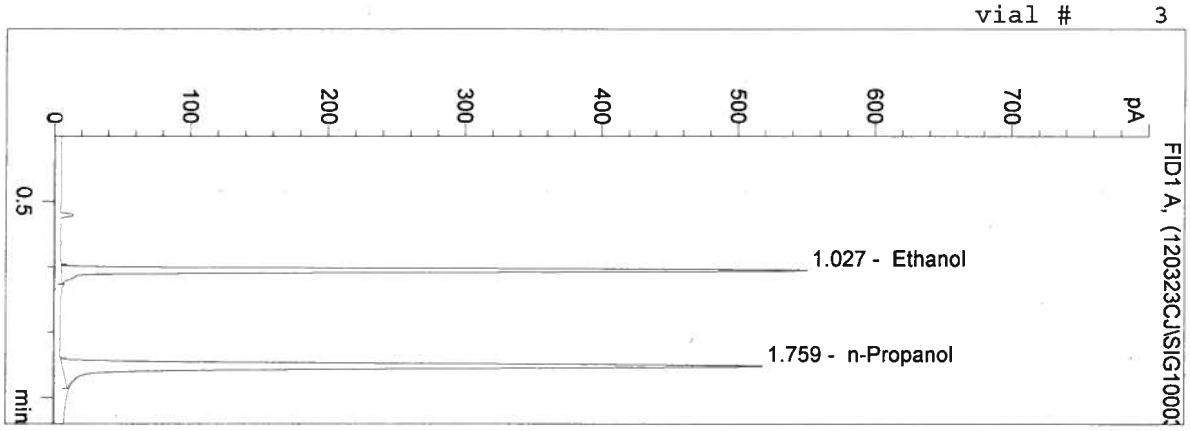
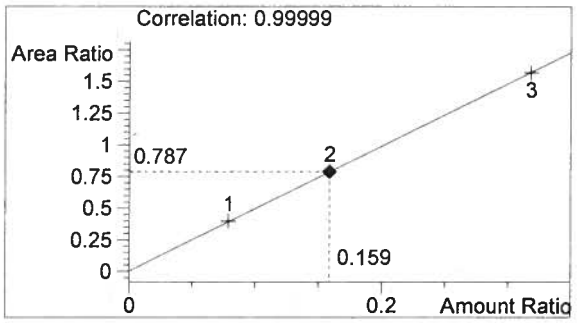
C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 3:59:28 PM
Instrument 3
DB-ALC2

0.158 CAL 2
Chris Johnston

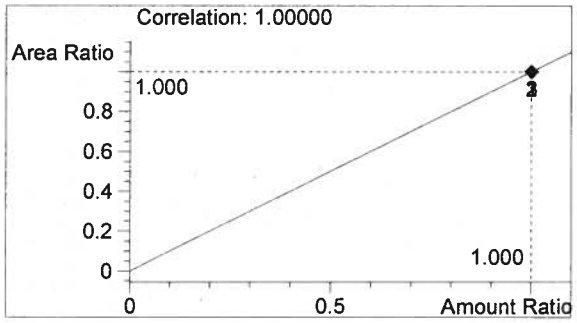
vial # 3



#	Compound	Area	RT
1	Ethanol	1118	1.027
2	n-Propanol	1421	1.759
Totals:			



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

12014

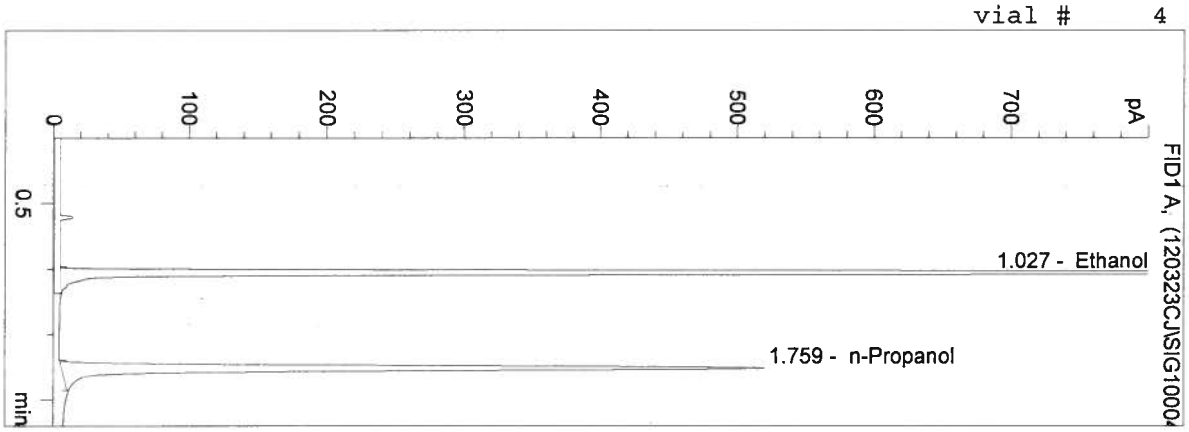
d

WASHINGTON STATE TOXICOLOGY LABORATORY

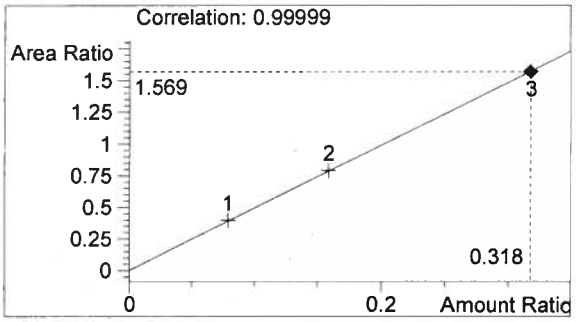
C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 4:02:36 PM
Instrument 3
DB-ALC2

0.316 CAL 3
Chris Johnston

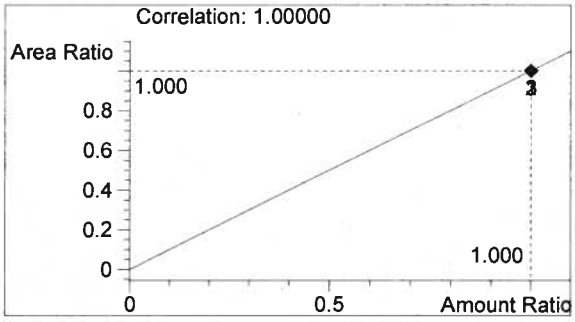
vial # 4



#	Compound	Area	RT
1	Ethanol	2240	1.027
2	n-Propanol	1427	1.759
Totals:			



Ethanol 0.318 g/100ml



n-Propanol 1.000 g/100ml

12014

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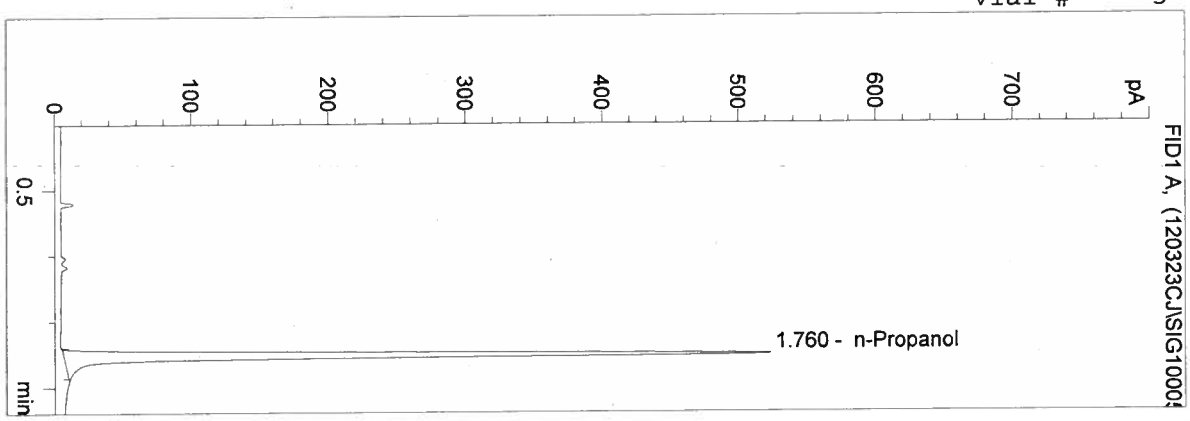
C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 4:05:44 PM
Instrument 3
DB-ALC2

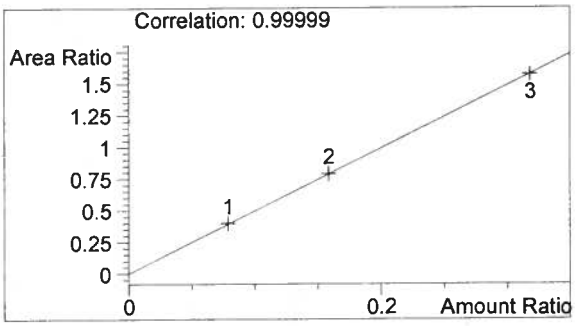
NEG CTRL-CJ
Chris Johnston

vial # 5

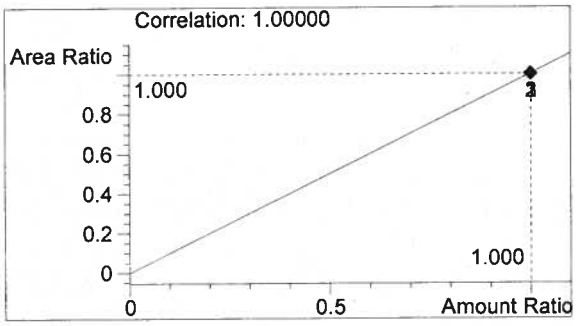


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1436	1.760

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12014

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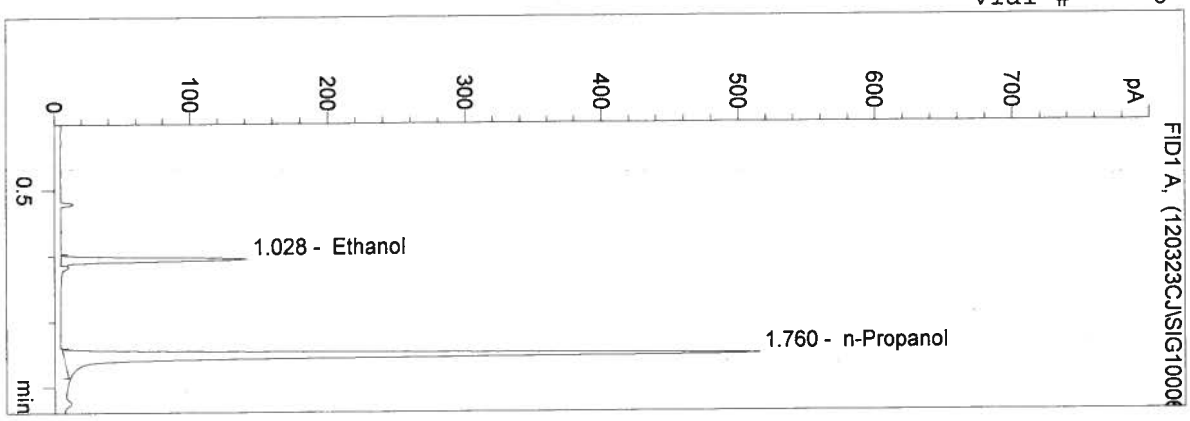
C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 4:08:51 PM
Instrument 3
DB-ALC2

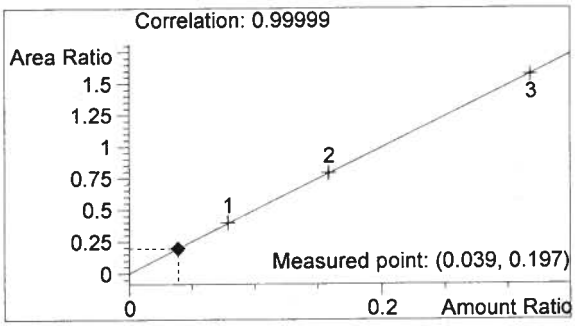
0.04 CTRL-CJ
Chris Johnston

vial # 6

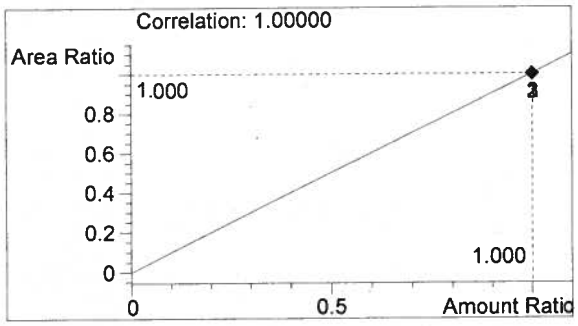


#	Compound	Area	RT
1	Ethanol	278	1.028
2	n-Propanol	1412	1.760

Totals:



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

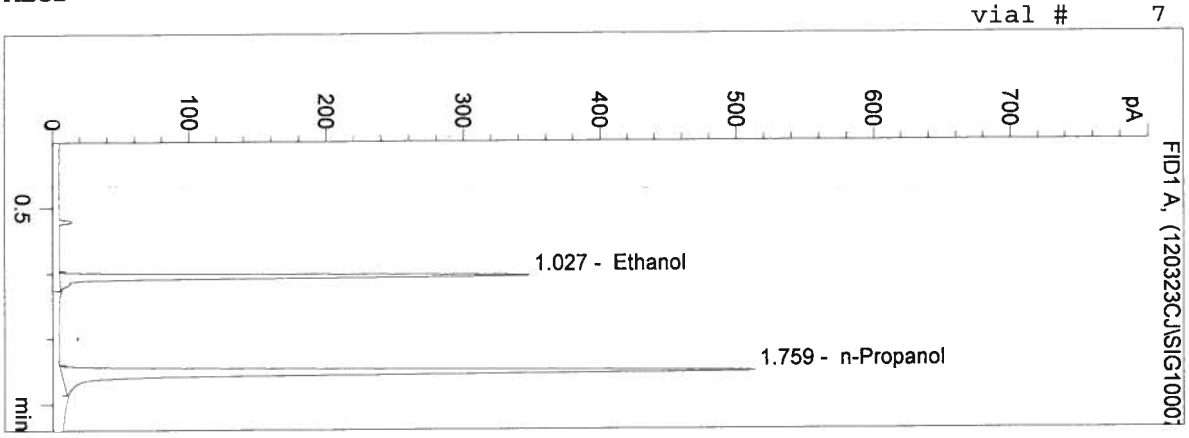
12014 CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 4:11:59 PM
Instrument 3
DB-ALC2

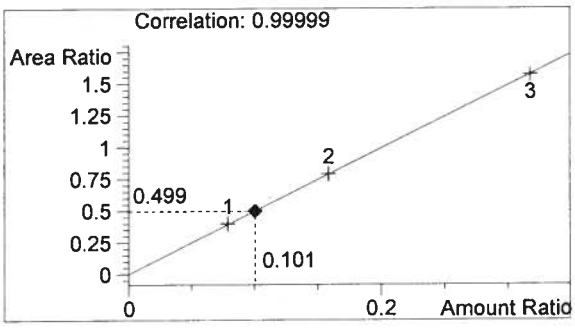
0.10 CTRL-CJ
Chris Johnston

vial # 7

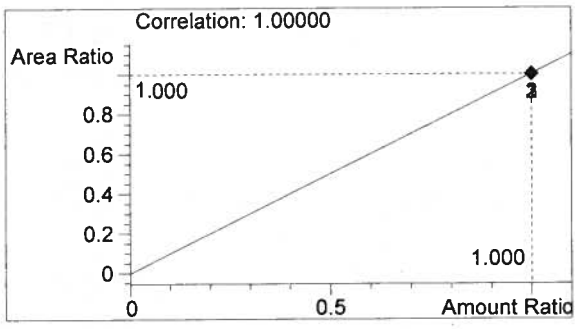


#	Compound	Area	RT
1	Ethanol	703	1.027
2	n-Propanol	1408	1.759

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

CJ

12014

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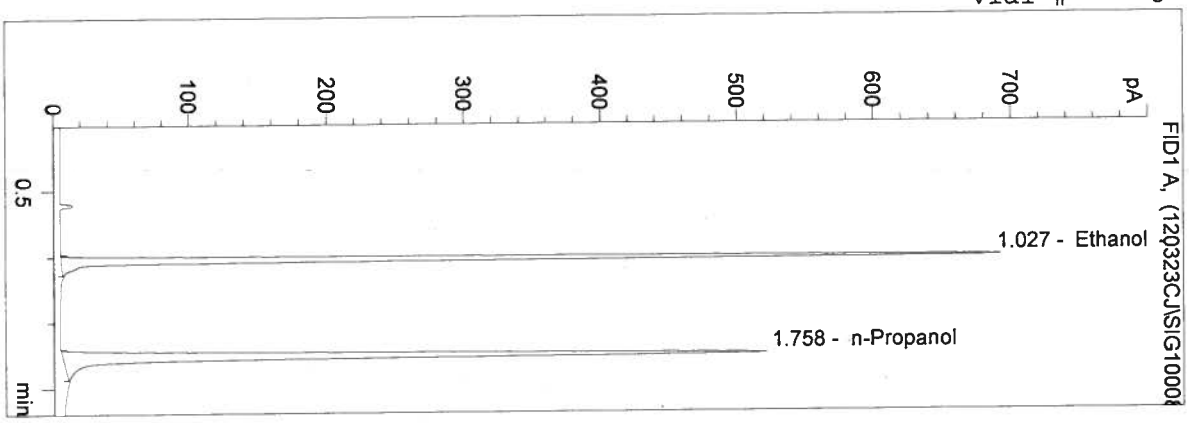
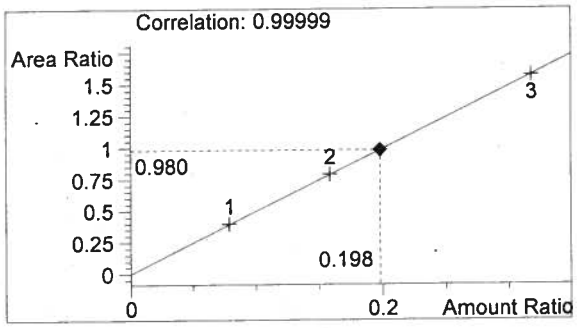
C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 4:15:06 PM
Instrument 3
DB-ALC2

0.20 CTRL-CJ
Chris Johnston

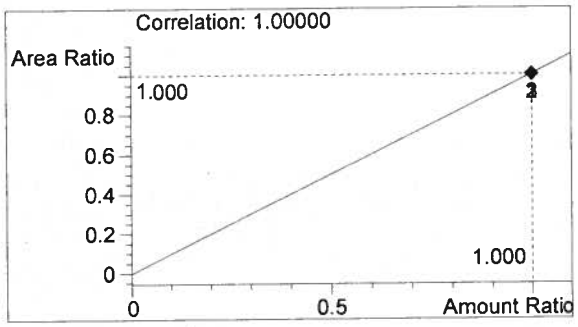
vial # 8



#	Compound	Area	RT
1	Ethanol	1404	1.027
2	n-Propanol	1432	1.758
Totals:			



Ethanol 0.198 g/100ml



n-Propanol 1.000 g/100ml

12014

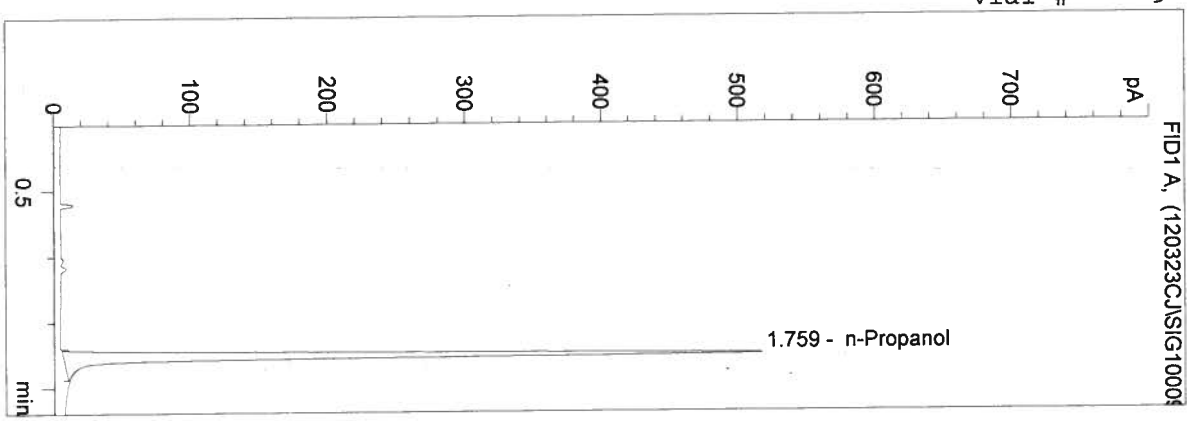
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 4:18:14 PM
Instrument 3
DB-ALC2

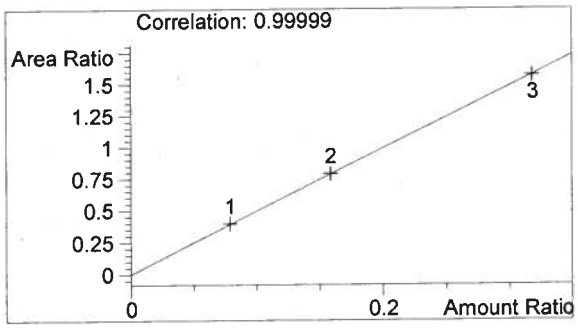
NEG CTRL-CJ
Chris Johnston

vial # 9

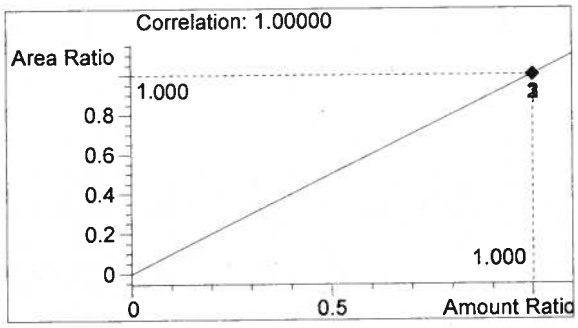


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1417	1.759

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

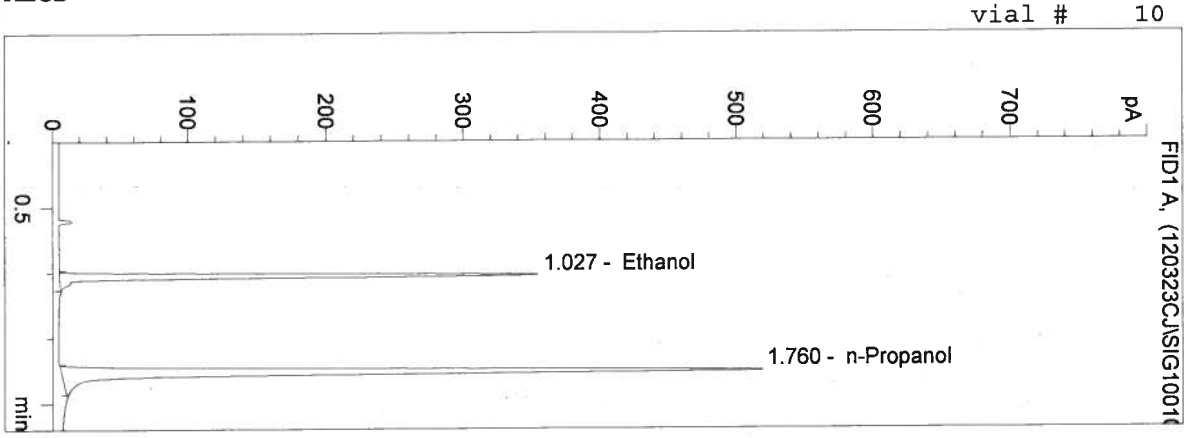
12014 CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 4:21:21 PM
Instrument 3
DB-ALC2

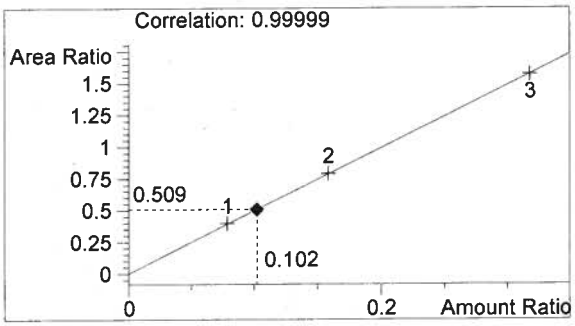
ESS 12014 #1
Chris Johnston

vial # 10

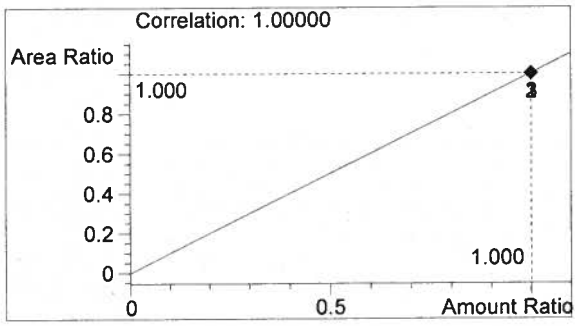


#	Compound	Area	RT
1	Ethanol	726	1.027
2	n-Propanol	1427	1.760

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

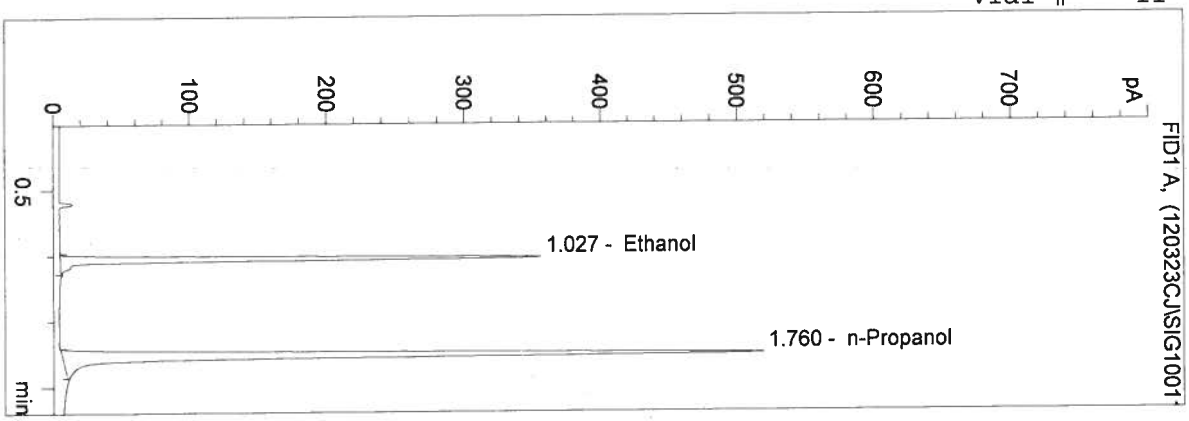
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 4:24:29 PM
Instrument 3
DB-ALC2

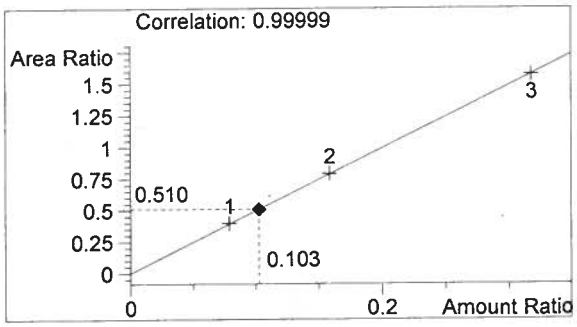
ESS 12014 #2
Chris Johnston

vial # 11

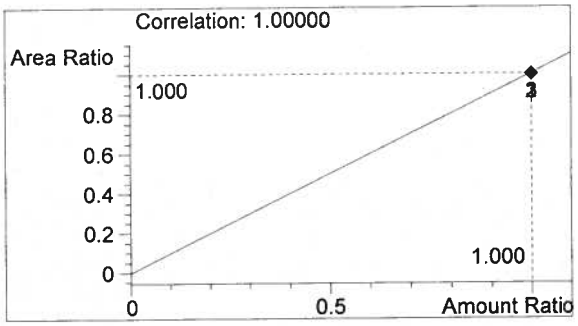


#	Compound	Area	RT
1	Ethanol	727	1.027
2	n-Propanol	1426	1.760

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

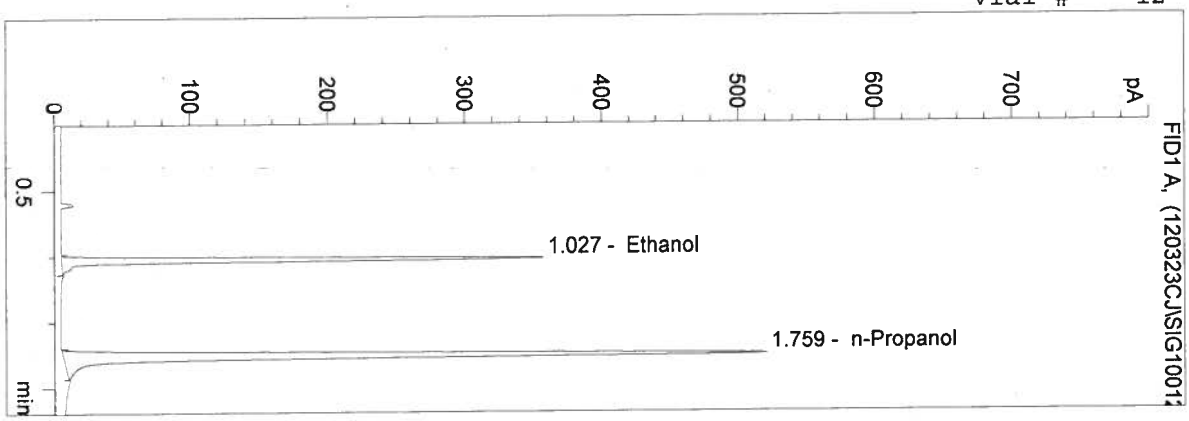
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 4:27:37 PM
Instrument 3
DB-ALC2

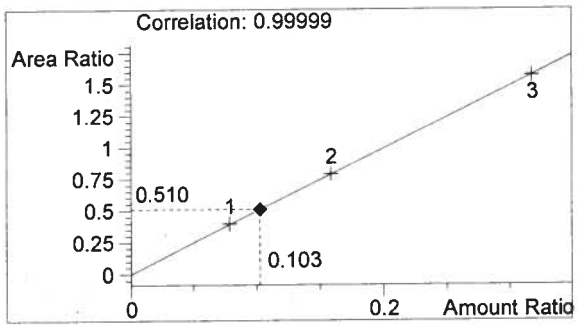
ESS 12014 #3
Chris Johnston

vial # 12

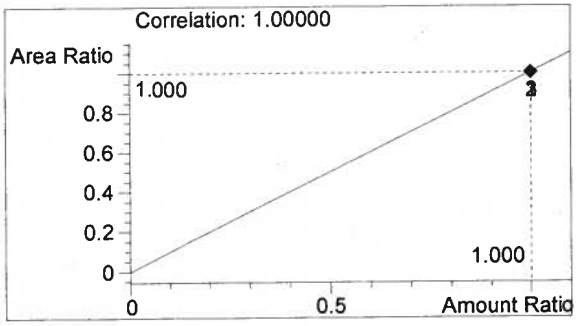


#	Compound	Area	RT
1	Ethanol	730	1.027
2	n-Propanol	1433	1.759

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

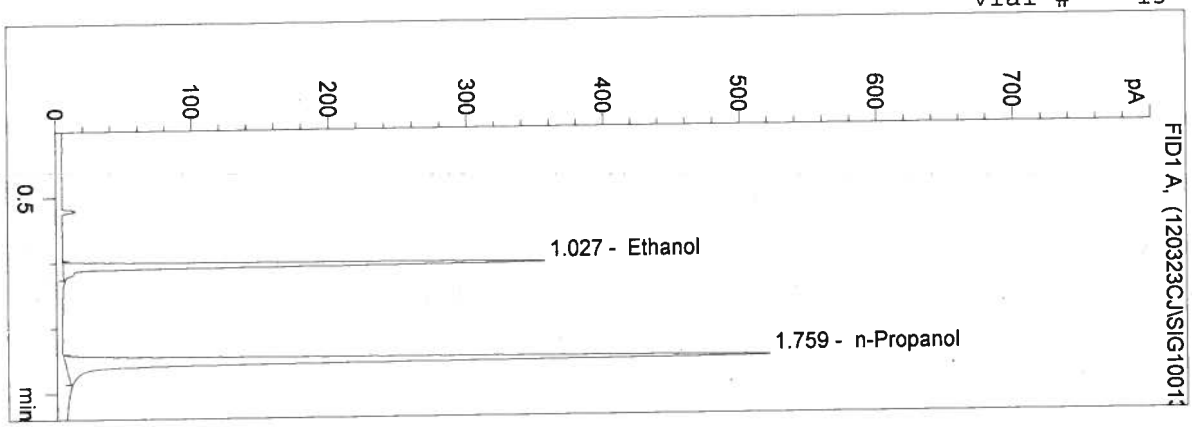
CJ

WASHINGTON STATE TOXICOLOGY LABORATORY

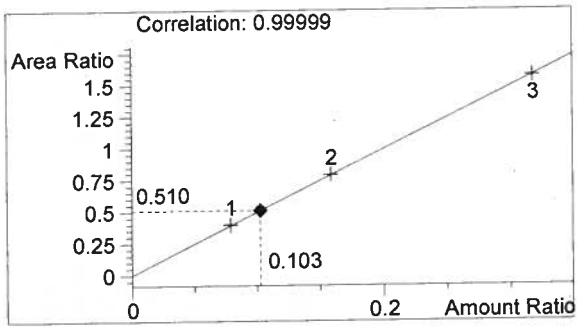
C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 4:30:44 PM
Instrument 3
DB-ALC2

ESS 12014 #4
Chris Johnston

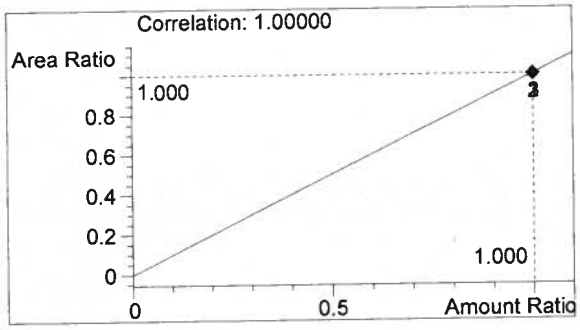
vial # 13



#	Compound	Area	RT
1	Ethanol	731	1.027
2	n-Propanol	1433	1.759
Totals:			



Ethanol 0.103 g/100ml



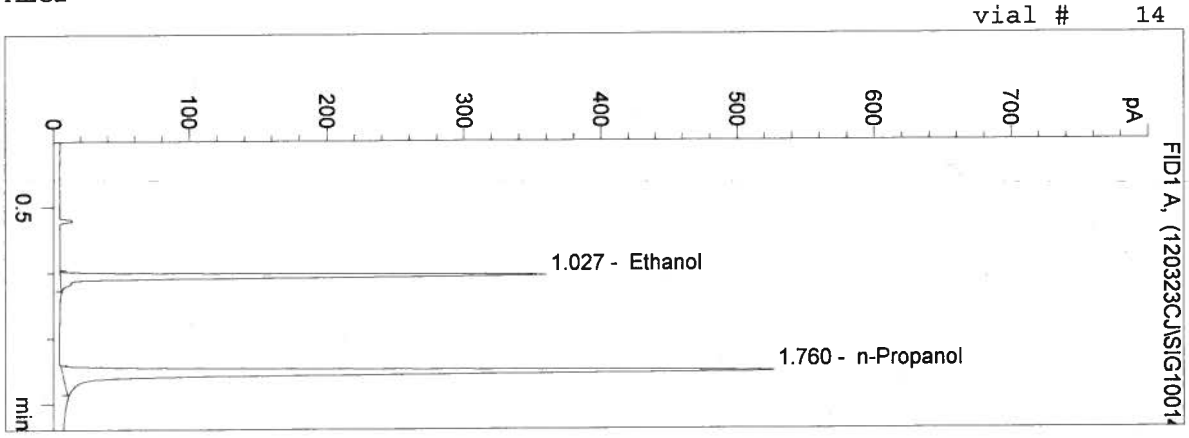
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 4:33:52 PM
Instrument 3
DB-ALC2

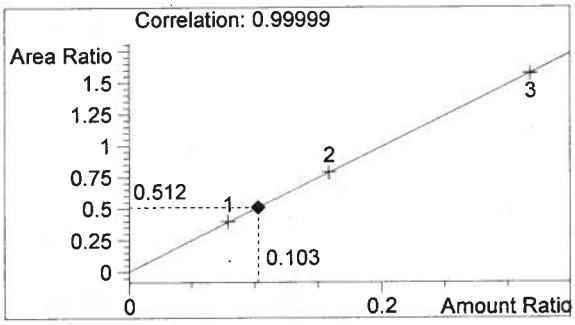
ESS 12014 #5
Chris Johnston

vial # 14

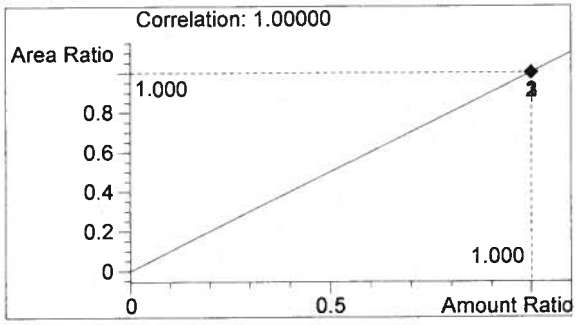


#	Compound	Area	RT
1	Ethanol	739	1.027
2	n-Propanol	1445	1.760

Totals:



Ethanol 0.103 g/100ml



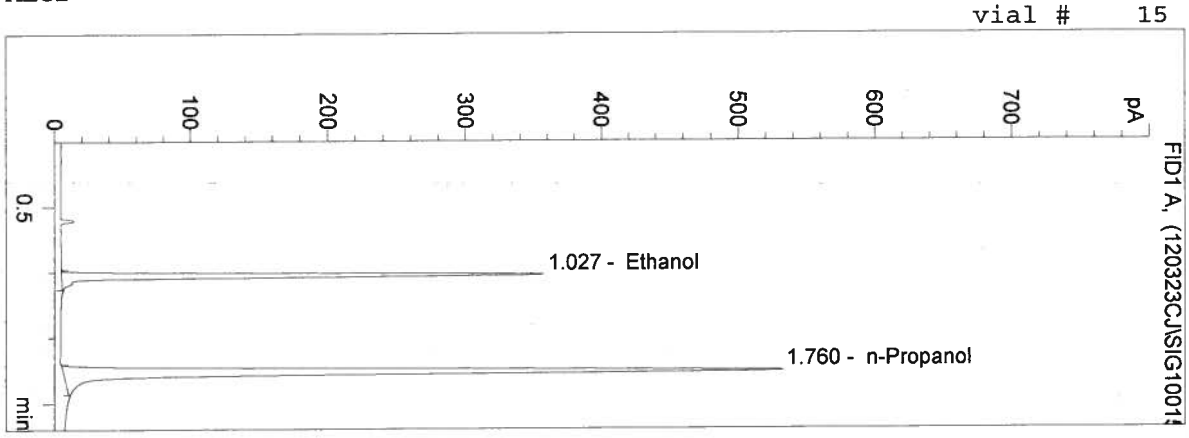
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 4:37:00 PM
Instrument 3
DB-ALC2

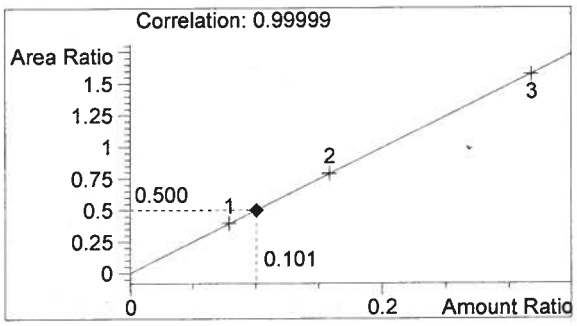
0.10 CTRL-CJ
Chris Johnston

vial # 15

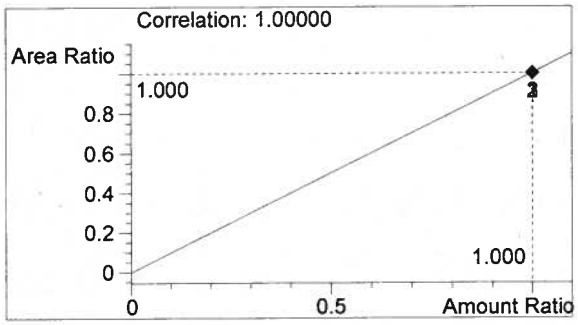


#	Compound	Area	RT
1	Ethanol	729	1.027
2	n-Propanol	1459	1.760

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

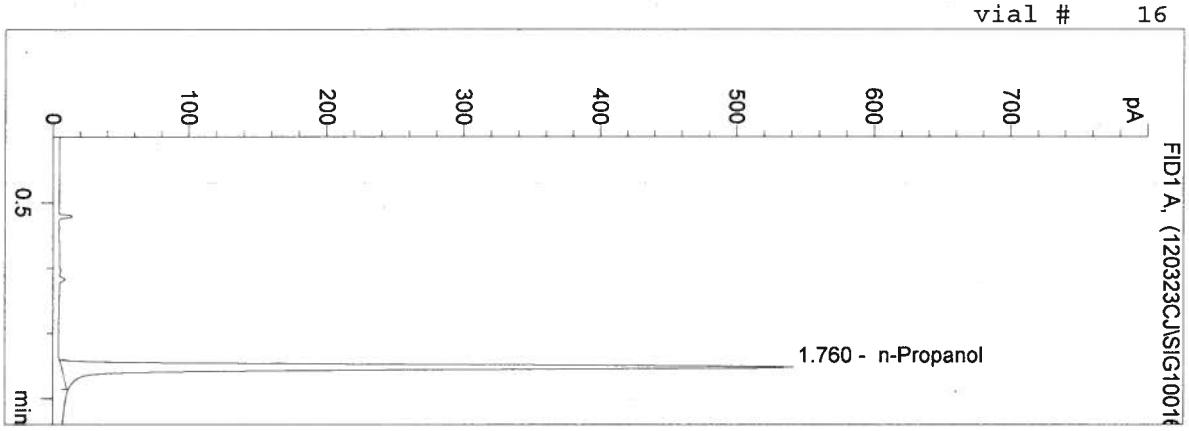
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/23/2012 4:40:07 PM
Instrument 3
DB-ALC2

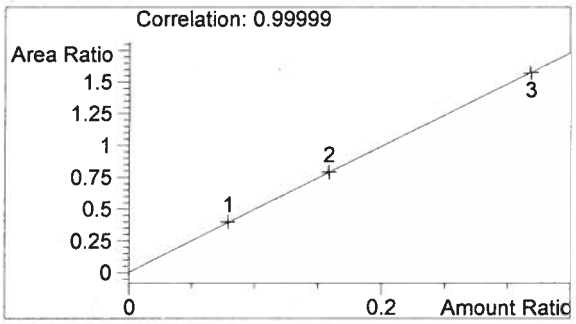
NEG CTRL-CJ
Chris Johnston

vial # 16

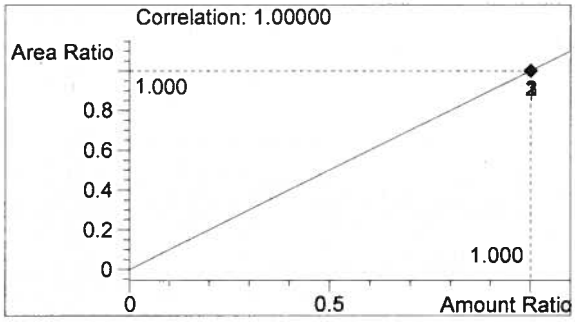


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1483	1.760

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12014

CJ

Sequence: C:\HPCHEM\2\SEQUENCE\DCESS3.S

Sequence Parameters:

Operator:	Dawn Cox
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120326DC
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Cal 1- Lot# E0112-01 Exp 04/29/2012
Cal 2- Lot# E0112-02 Exp 04/29/2012
Cal 3- Lot# E0112-03 Exp 04/29/2012
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot# E0112-01 Exp 04/29/2012
3	Vial 3	Lot# E0112-02 Exp 04/29/2012
4	Vial 4	Lot# E0112-03 Exp 04/29/2012
5	Vial 5	
6	Vial 6	Lot#A077459
7	Vial 7	Lot#A083355
8	Vial 8	Lot#A076521
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	Lot#A083355

12014

Sequence: C:\HPCHEM\2\SEQUENCE\DCESS3.S

16 Vial 16

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL-DC	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-DC	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-DC	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-DC	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL-DC	SIMALC3	1	Ctrl Samp		
10	Vial 10	12014 #1	SIMALC3	1	Sample		
11	Vial 11	12014 #2	SIMALC3	1	Sample		
12	Vial 12	12014 #3	SIMALC3	1	Sample		
13	Vial 13	12014 #4	SIMALC3	1	Sample		
14	Vial 14	12014 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL-DC	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL-DC	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12014

DC

Method C:\HPCHEM\2\METHODS\SIMALC3.M

Calibration Table

Calib. Data Modified : Monday, March 26, 2012 9:23:56 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.027	1	1	7.90200e-2	570.56104	1.38495e-4	1		Ethanol
		2	1.58720e-1	1115.21655	1.42322e-4			
		3	3.17800e-1	2217.06763	1.43342e-4			
1.759	1	1	1.00000	1421.57349	7.03446e-4	I1		n-Propanol
		2	1.00000	1406.18481	7.11144e-4			
		3	1.00000	1408.44910	7.10001e-4			

Peak Sum Table

No Entries in table

12014

DC

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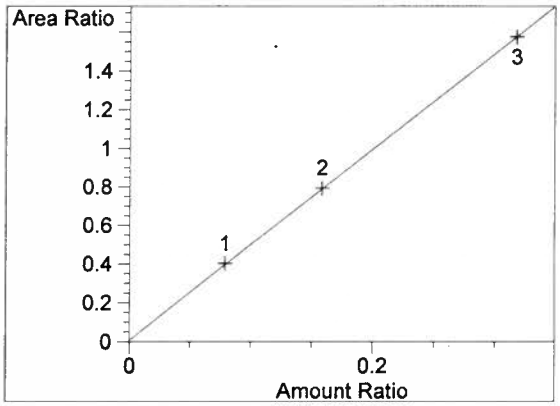
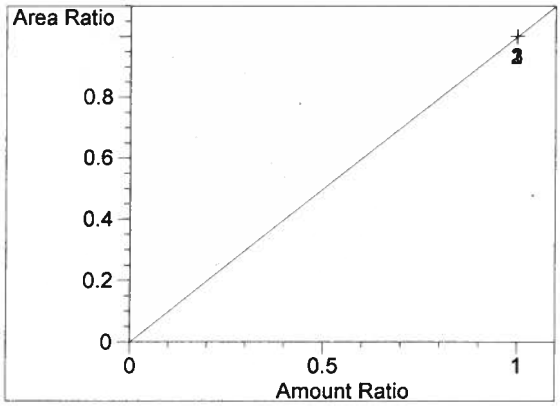
Calibration Curves

==========



Ethanol at exp. RT: 1.027
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00600
Formula: y = mx + b
m: 4.94487
b: 5.37099e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.759
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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12014

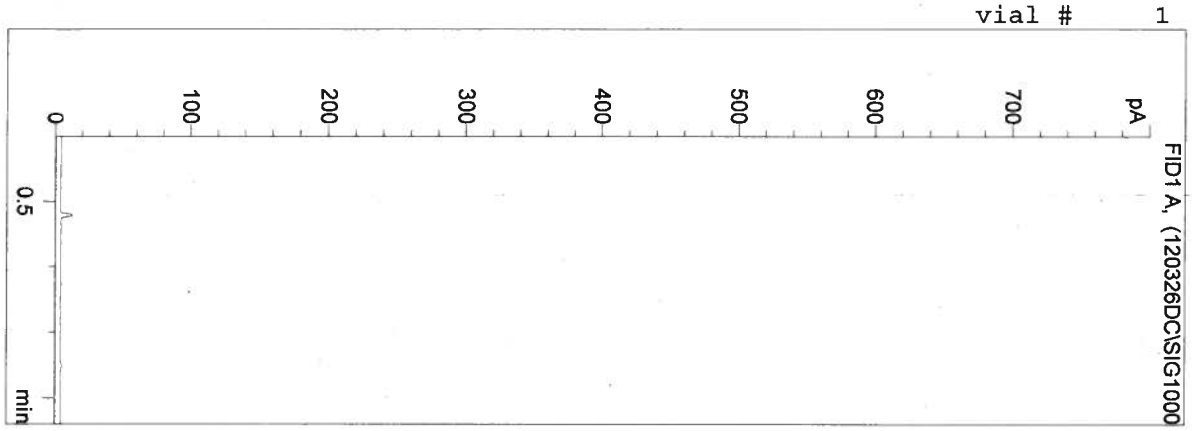
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/26/2012 9:12:21 AM
Instrument 3
DB-ALC2

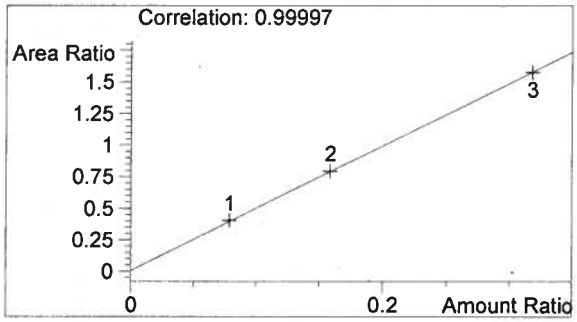
BLANK
Dawn Cox

vial # 1

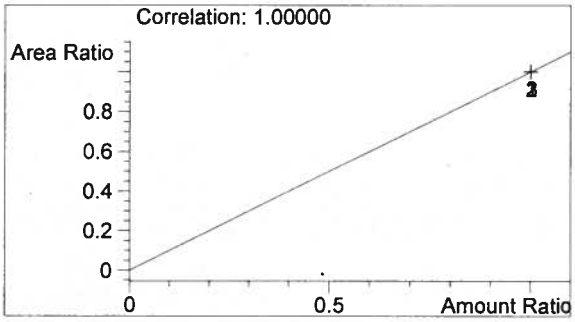


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

12014

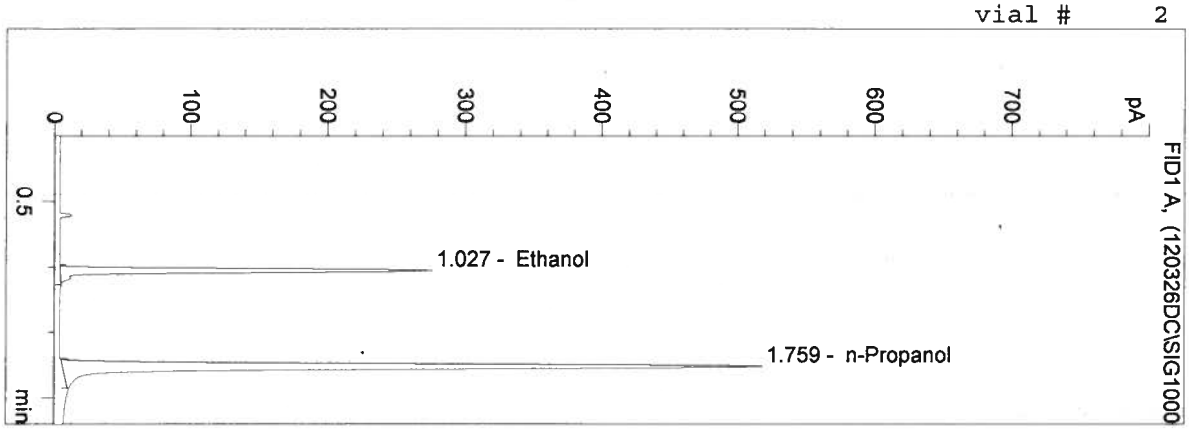
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/26/2012 9:15:28 AM
Instrument 3
DB-ALC2

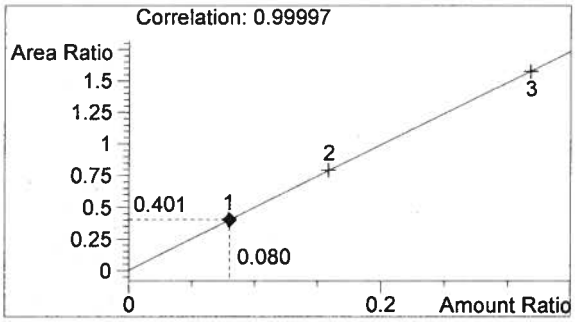
0.079 CAL 1
Dawn Cox

vial # 2

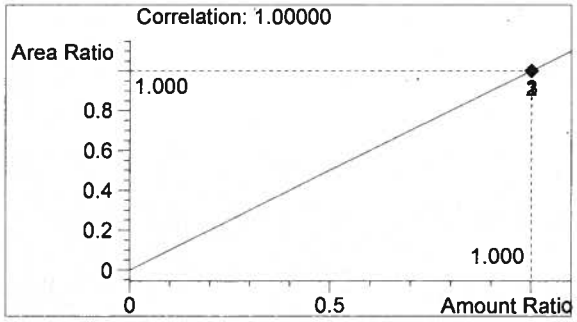


#	Compound	Area	RT
1	Ethanol	571	1.027
2	n-Propanol	1422	1.759

Totals:



Ethanol 0.080 g/100ml



n-Propanol 1.000 g/100ml

12014

WASHINGTON STATE TOXICOLOGY LABORATORY

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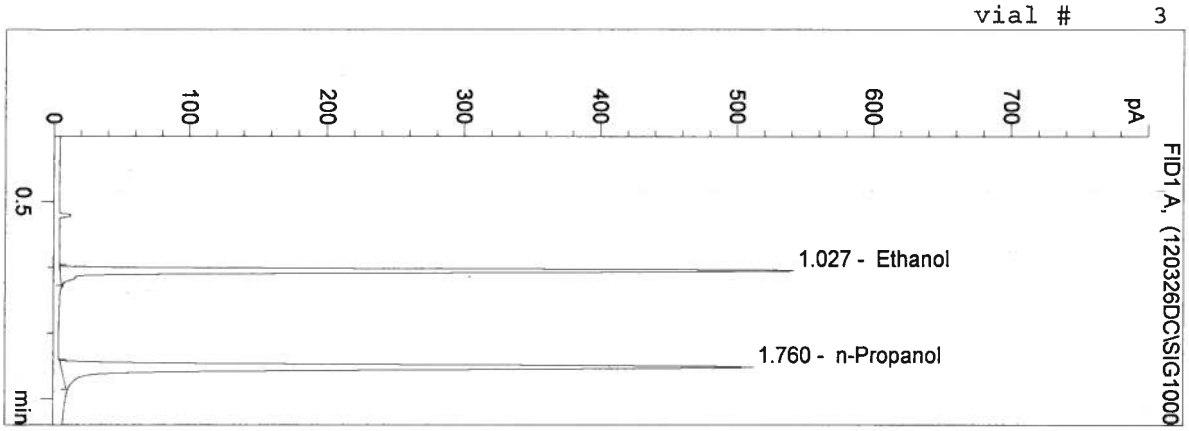
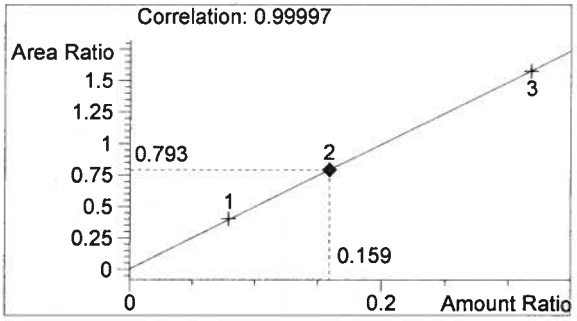
3/26/2012 9:18:36 AM
Instrument 3
DB-ALC2

0.158 CAL 2
Dawn Cox

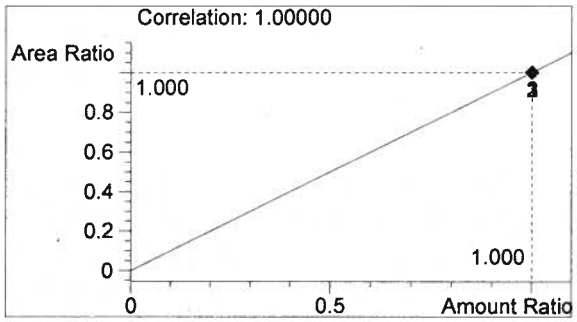
vial # 3



#	Compound	Area	RT
1	Ethanol	1115	1.027
2	n-Propanol	1406	1.760
Totals:			



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

12014

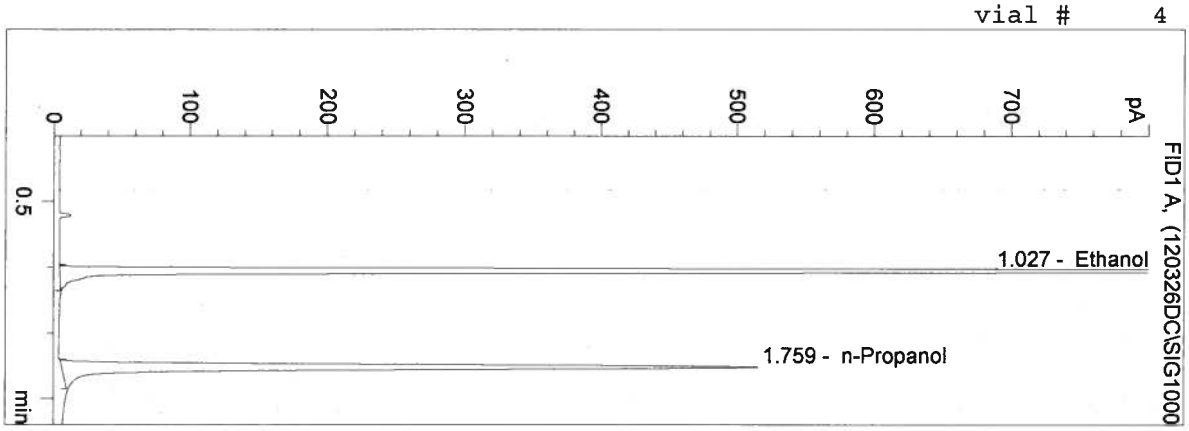
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/26/2012 9:21:43 AM
Instrument 3
DB-ALC2

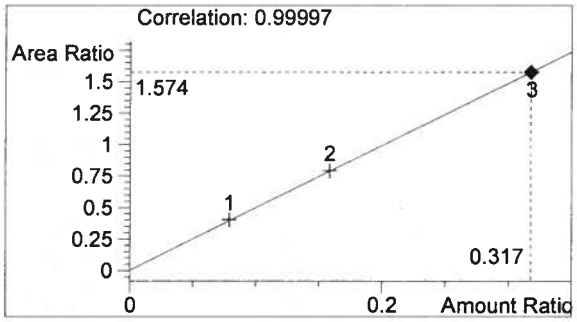
0.316 CAL 3
Dawn Cox

vial # 4

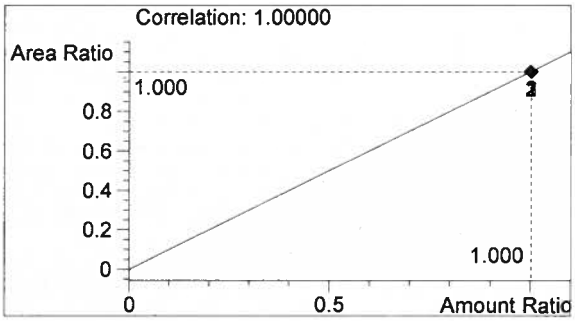


#	Compound	Area	RT
1	Ethanol	2217	1.027
2	n-Propanol	1408	1.759

Totals:



Ethanol 0.317 g/100ml



n-Propanol 1.000 g/100ml

12014

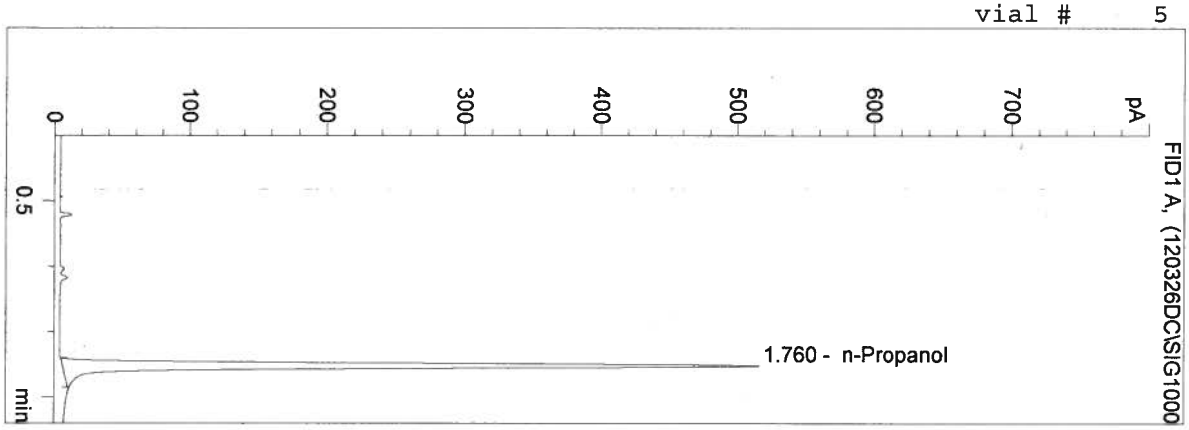
DL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/26/2012 9:24:51 AM
Instrument 3
DB-ALC2

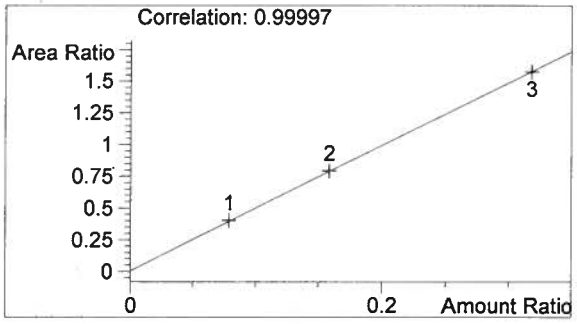
NEG CTRL-DC
Dawn Cox

vial # 5

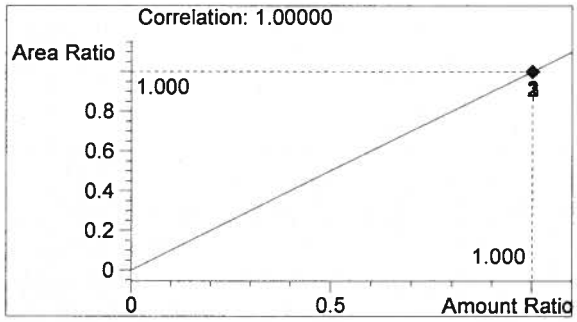


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1415	1.760

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12014

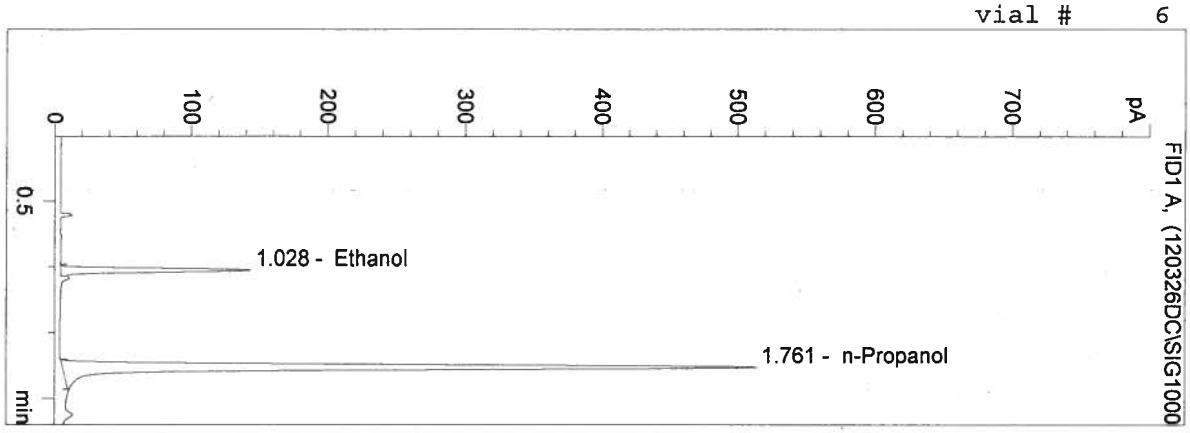
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/26/2012 9:27:59 AM
Instrument 3
DB-ALC2

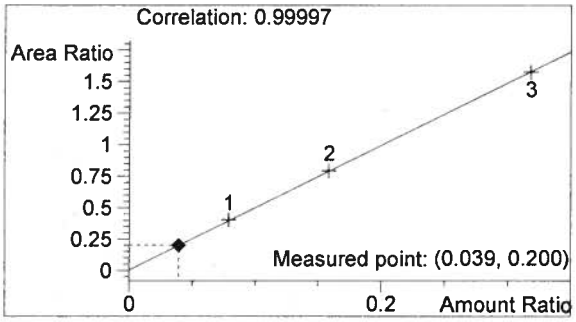
0.04 CTRL-DC
Dawn Cox

vial # 6

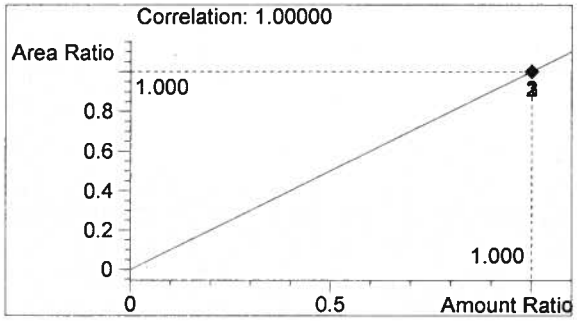


#	Compound	Area	RT
1	Ethanol	281	1.028
2	n-Propanol	1406	1.761

Totals:



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

12014

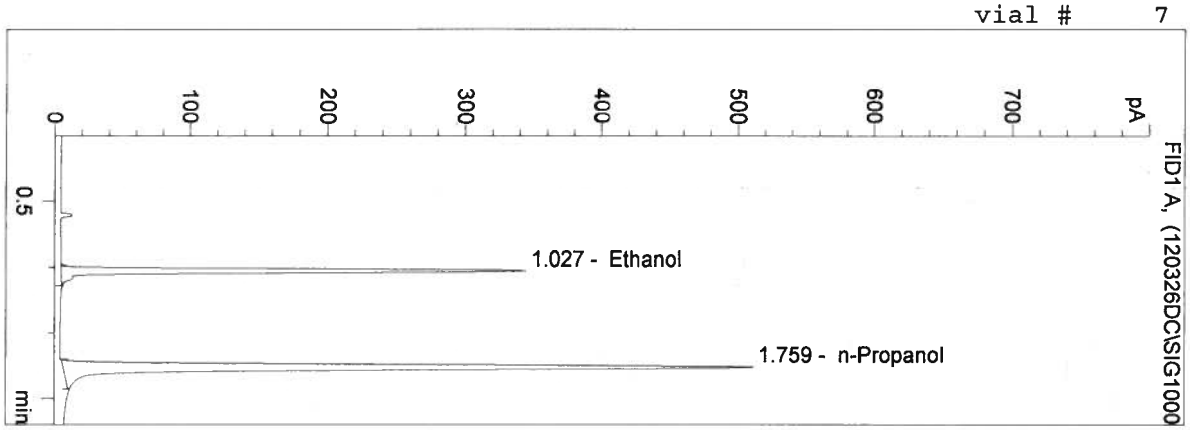
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

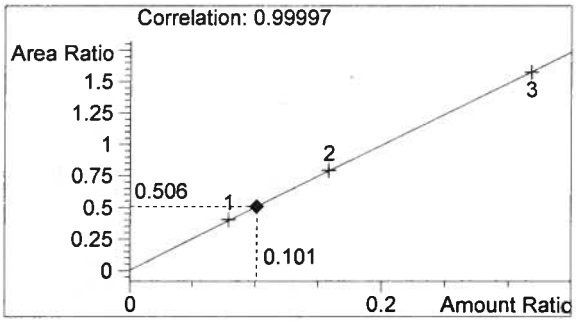
C:\HPCHEM\2\METHODS\SIMALC3.M
3/26/2012 9:31:06 AM
Instrument 3
DB-ALC2

0.10 CTRL-DC
Dawn Cox

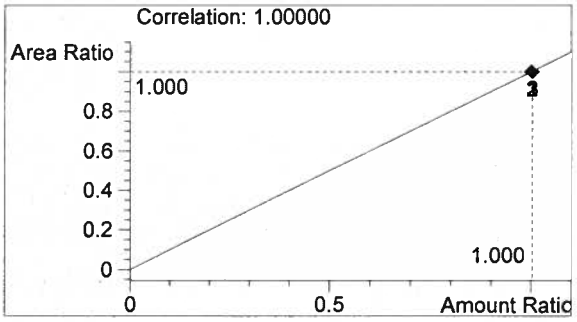
vial # 7



#	Compound	Area	RT
1	Ethanol	709	1.027
2	n-Propanol	1401	1.759
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

12014

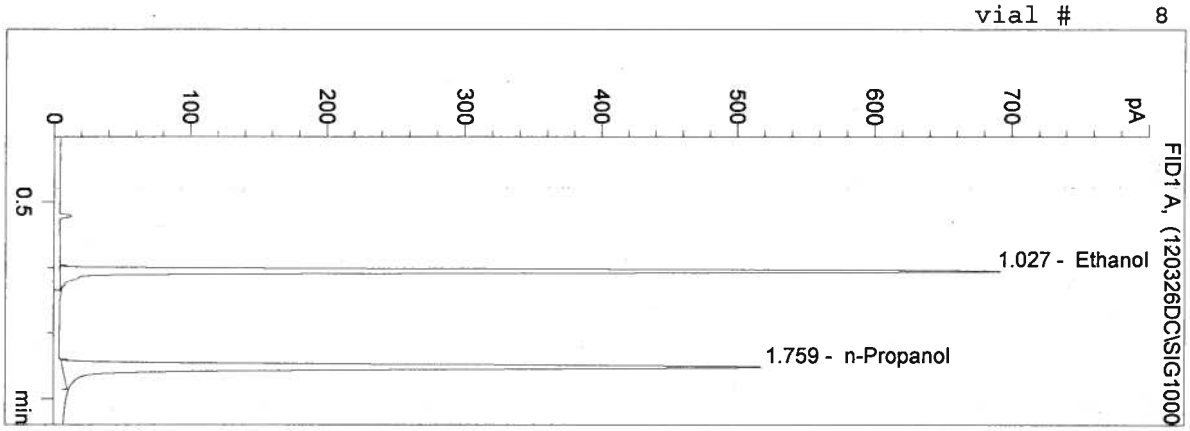
DL

WASHINGTON STATE TOXICOLOGY LABORATORY

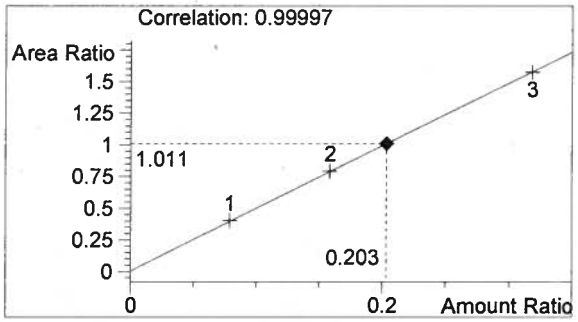
C:\HPCHEM\2\METHODS\SIMALC3.M
3/26/2012 9:34:14 AM
Instrument 3
DB-ALC2

0.20 CTRL-DC
Dawn Cox

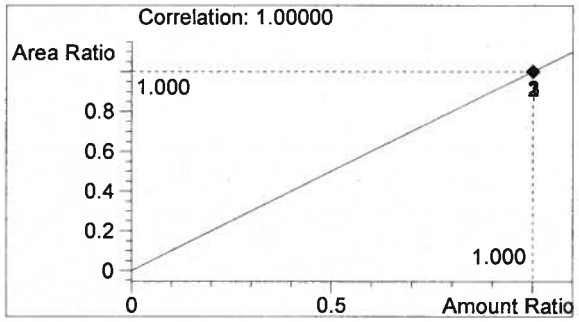
vial # 8



#	Compound	Area	RT
1	Ethanol	1435	1.027
2	n-Propanol	1418	1.759
Totals:			



Ethanol 0.203 g/100ml



n-Propanol 1.000 g/100ml

12014

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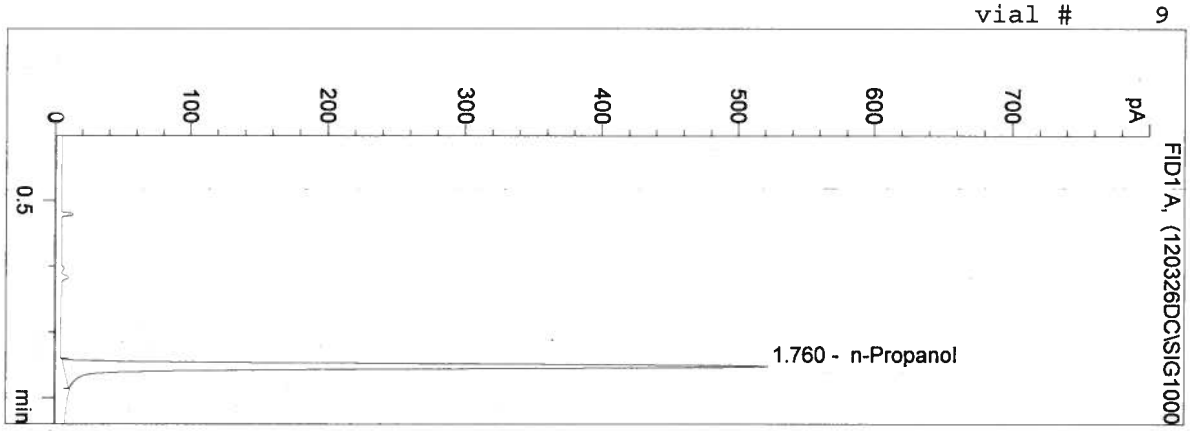
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/26/2012 9:37:22 AM
Instrument 3
DB-ALC2

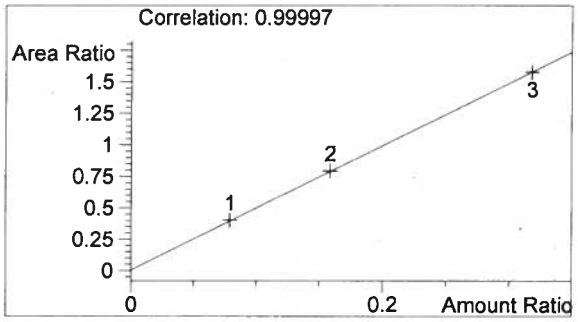
NEG CTRL-DC
Dawn Cox

vial # 9

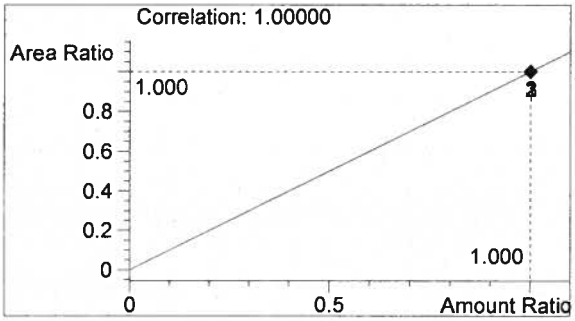


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1433	1.760

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12014

~~14~~ 14 4.5.12

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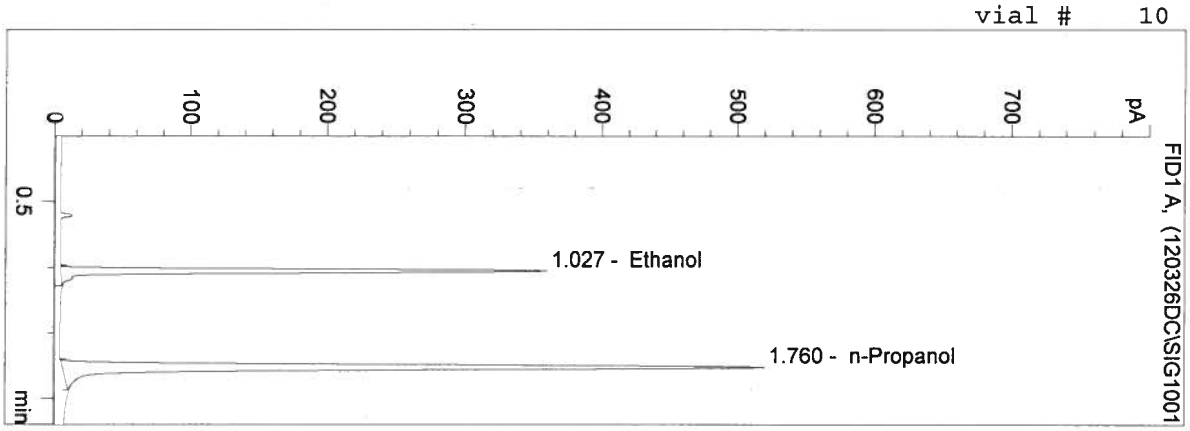
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/26/2012 9:40:29 AM
Instrument 3
DB-ALC2

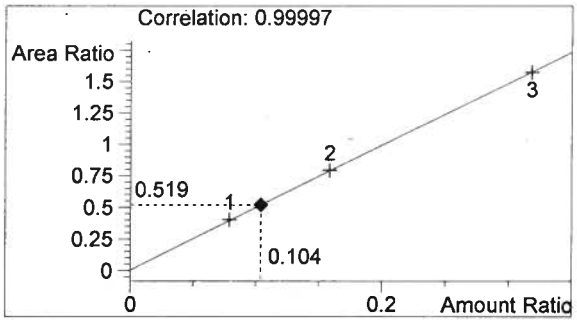
12014 #1
Dawn Cox

vial # 10

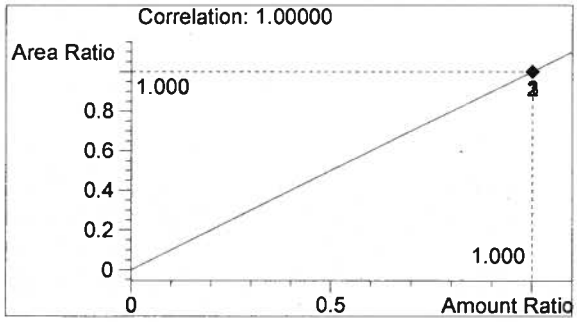


#	Compound	Area	RT
1	Ethanol	741	1.027
2	n-Propanol	1426	1.760

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

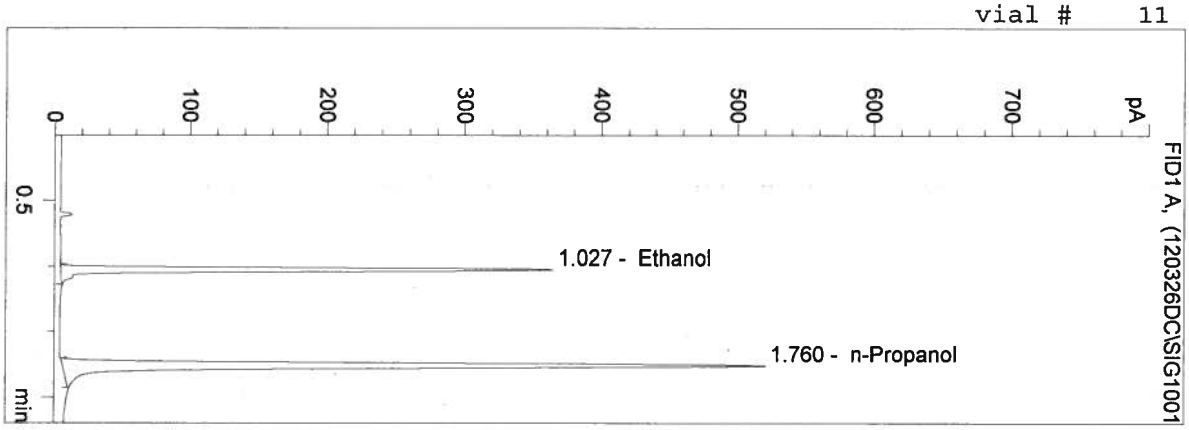
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

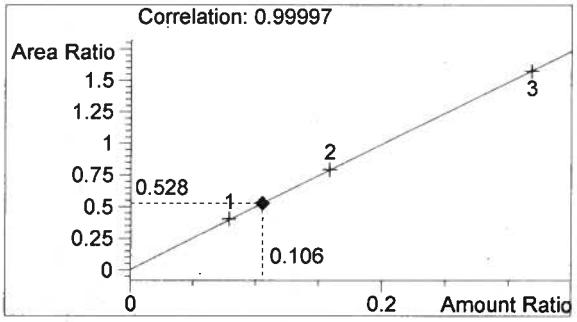
C:\HPCHEM\2\METHODS\SIMALC3.M
3/26/2012 9:43:37 AM
Instrument 3
DB-ALC2

12014 #2
Dawn Cox

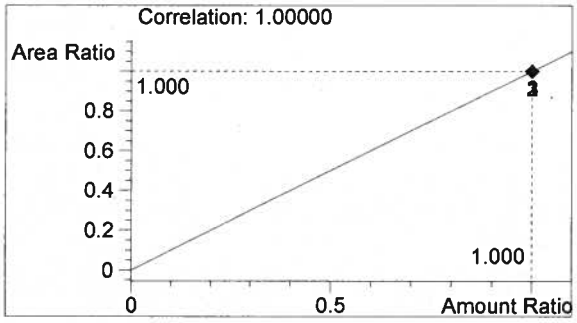
vial # 11



#	Compound	Area	RT
1	Ethanol	755	1.027
2	n-Propanol	1429	1.760
Totals:			



Ethanol 0.106 g/100ml



n-Propanol 1.000 g/100ml

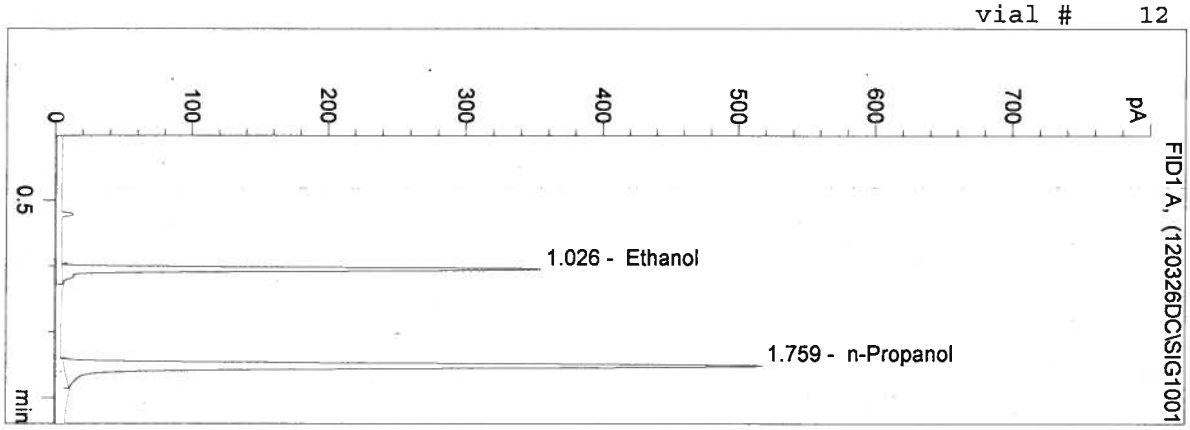
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

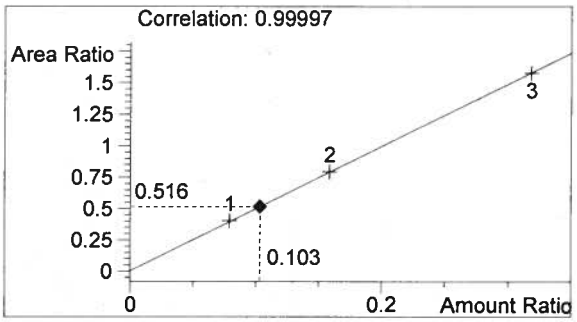
C:\HPCHEM\2\METHODS\SIMALC3.M
3/26/2012 9:46:44 AM
Instrument 3
DB-ALC2

12014 #3
Dawn Cox

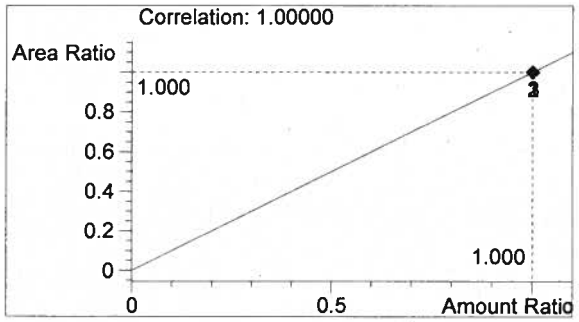
vial # 12



#	Compound	Area	RT
1	Ethanol	732	1.026
2	n-Propanol	1418	1.759
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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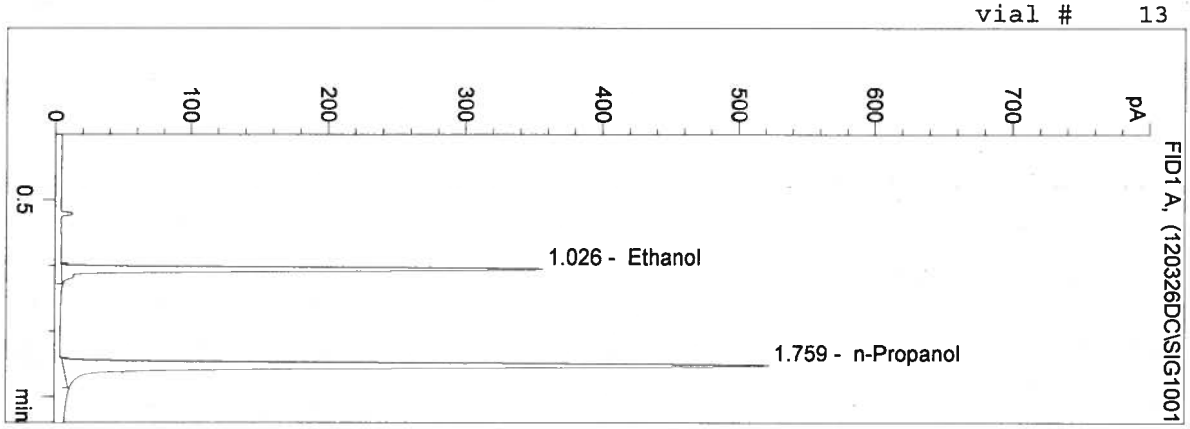
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/26/2012 9:49:52 AM
Instrument 3
DB-ALC2

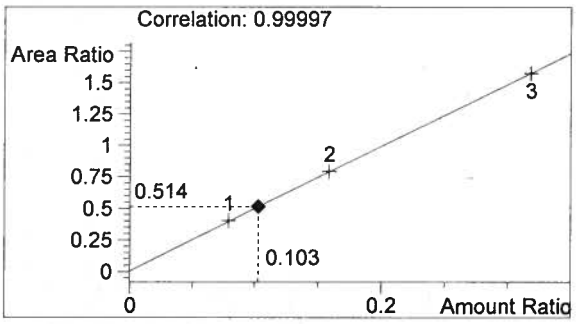
12014 #4
Dawn Cox

vial # 13

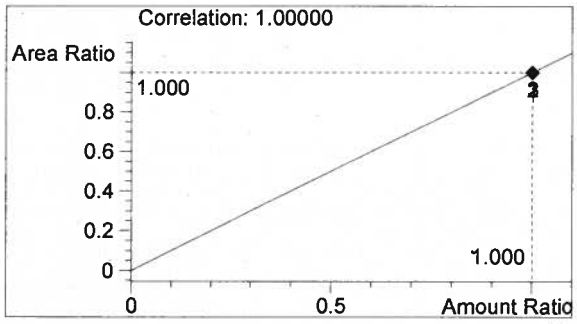


#	Compound	Area	RT
1	Ethanol	737	1.026
2	n-Propanol	1433	1.759

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

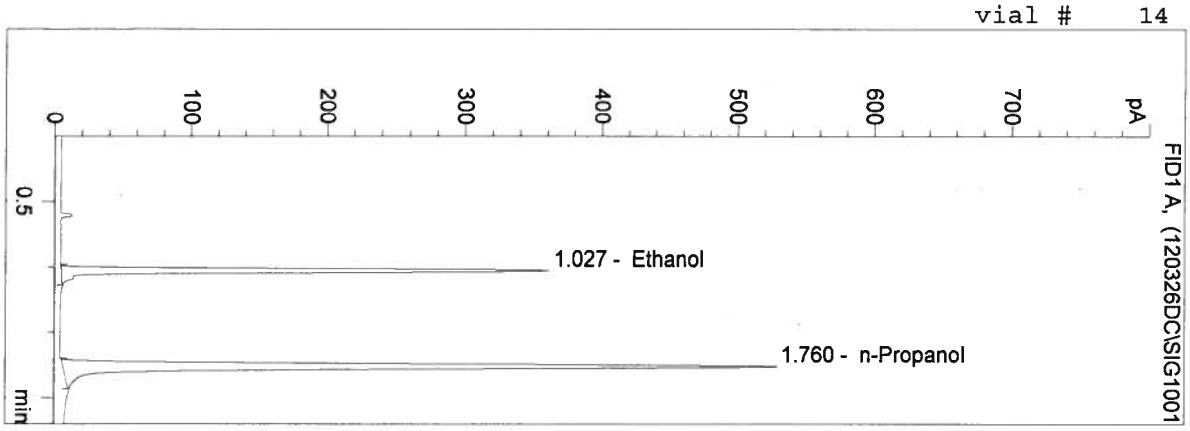
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

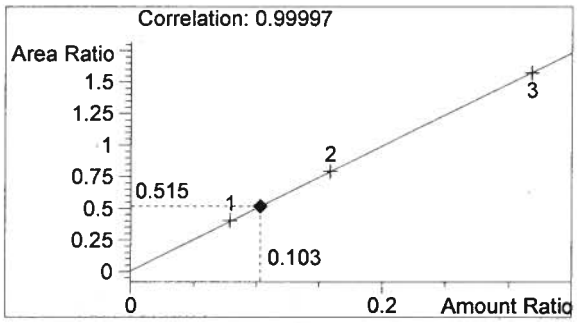
C:\HPCHEM\2\METHODS\SIMALC3.M
3/26/2012 9:53:00 AM
Instrument 3
DB-ALC2

12014 #5
Dawn Cox

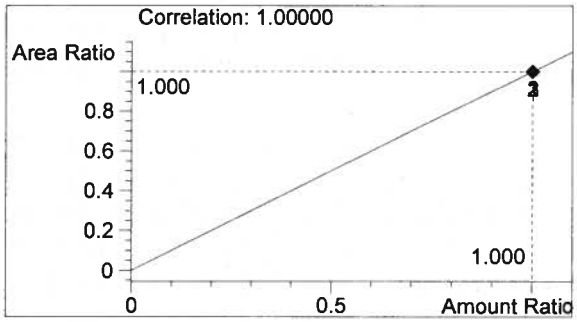
vial # 14



#	Compound	Area	RT
1	Ethanol	748	1.027
2	n-Propanol	1451	1.760
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

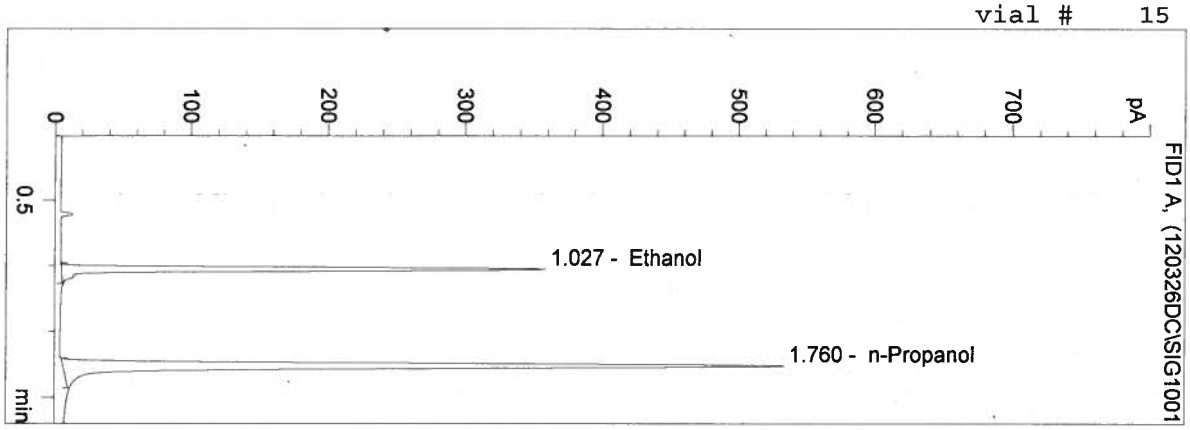
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

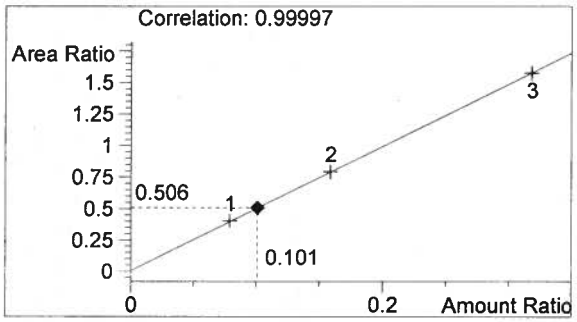
C:\HPCHEM\2\METHODS\SIMALC3.M
3/26/2012 9:56:07 AM
Instrument 3
DB-ALC2

0.10 CTRL-DC
Dawn Cox

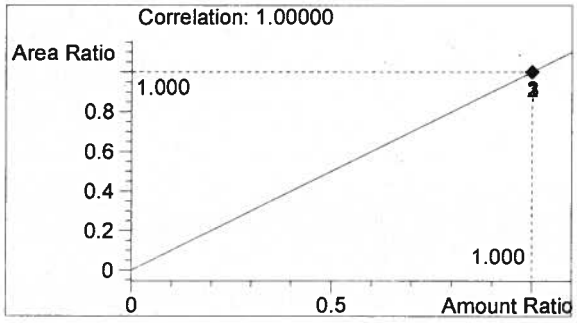
vial # 15



#	Compound	Area	RT
1	Ethanol	740	1.027
2	n-Propanol	1463	1.760
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

12014

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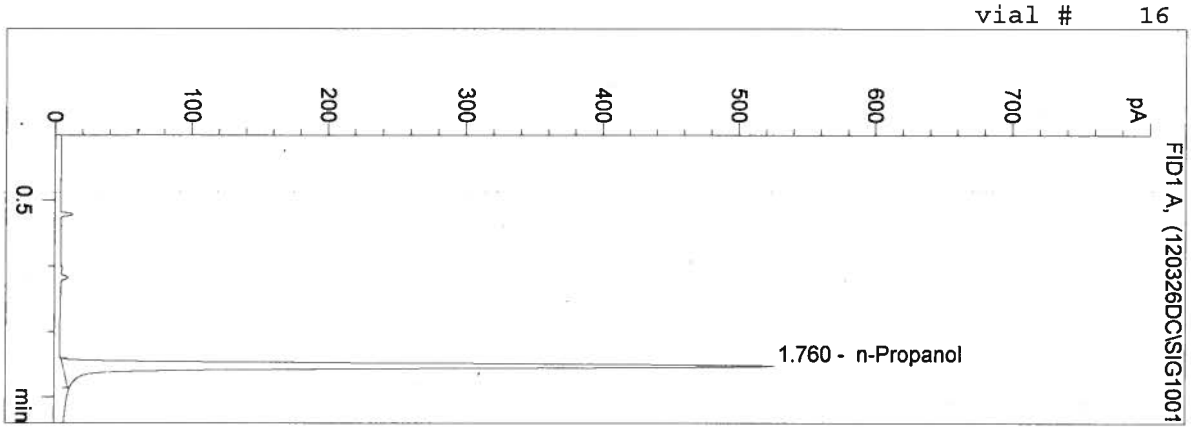
WASHINGTON STATE TOXICOLOGY LABORATORY

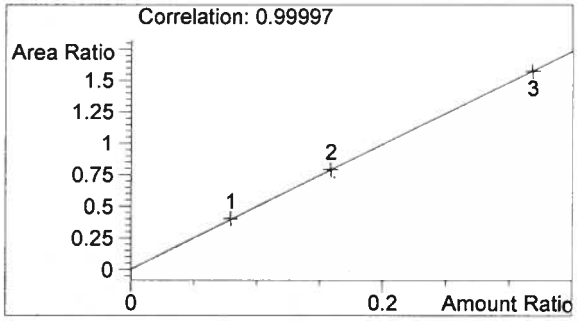
C:\HPCHEM\2\METHODS\SIMALC3.M
3/26/2012 9:59:15 AM
Instrument 3
DB-ALC2

NEG CTRL-DC
Dawn Cox

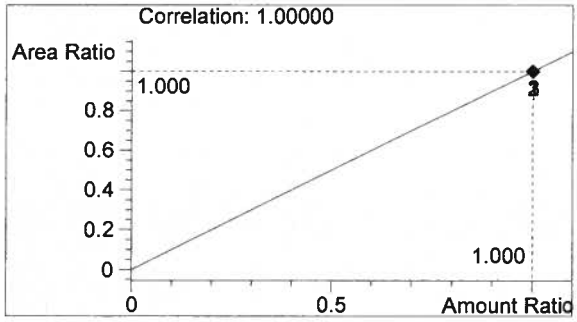
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1441	1.760
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12014

DC

Sequence Parameters:

Operator:	Justin Knoy
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120327JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0112-01 - Exp. 04/29/2012
Ethanol Calibrator 2, E0112-02 - Exp. 04/29/2012
Ethanol Calibrator 3, E0112-03 - Exp. 04/29/2012

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A083355 - Exp. 12/2015
0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	E0112-01 - Exp 04/29/2012
3	Vial 3	E0112-02 - Exp 04/29/2012
4	Vial 4	E0112-03 - Exp 04/29/2012
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

12014

Sequence: C:\HPCHEM\2\SEQUENCE\JKEXSTD3.S

Line	Location	Sample Information
15	Vial 15	
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL1 0.079	SIMALC3	1	Calib		
3	Vial 3	CAL2 0.158	SIMALC3	1	Calib		
4	Vial 4	CAL3 0.316	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL JK	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL JK	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL JK	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL JK	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL JK	SIMALC3	1	Ctrl Samp		
10	Vial 10	12014-1	SIMALC3	1	Sample		
11	Vial 11	12014-2	SIMALC3	1	Sample		
12	Vial 12	12014-3	SIMALC3	1	Sample		
13	Vial 13	12014-4	SIMALC3	1	Sample		
14	Vial 14	12014-5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL JK	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL JK	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	CAL1 0.079	SIMALC3	1	Replace	Replace	
3	Vial 3	CAL2 0.158	SIMALC3	2	Replace	Replace	
4	Vial 4	CAL3 0.316	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12014

Method C:\HPCHEM\2\METHODS\SIMALC3.M

Calibration Table

Calib. Data Modified : Tuesday, March 27, 2012 3:04:53 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl	Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.027	1		1	7.90200e-2	563.86230	1.40141e-4	1		Ethanol
			2	1.58720e-1	1111.79736	1.42760e-4			
			3	3.17800e-1	2222.86084	1.42969e-4			
1.759	1		1	1.00000	1415.22778	7.06600e-4	I1		n-Propanol
			2	1.00000	1395.23181	7.16727e-4			
			3	1.00000	1403.56970	7.12469e-4			

Peak Sum Table

No Entries in table

12014

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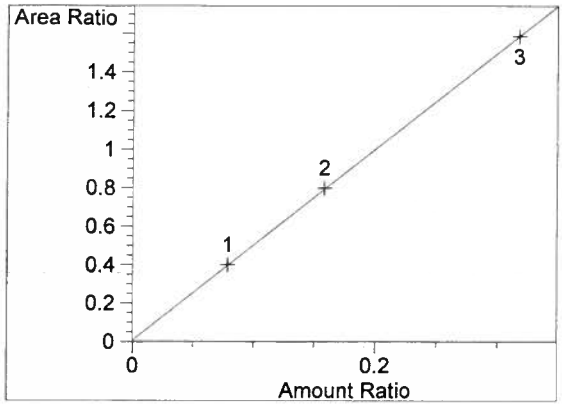
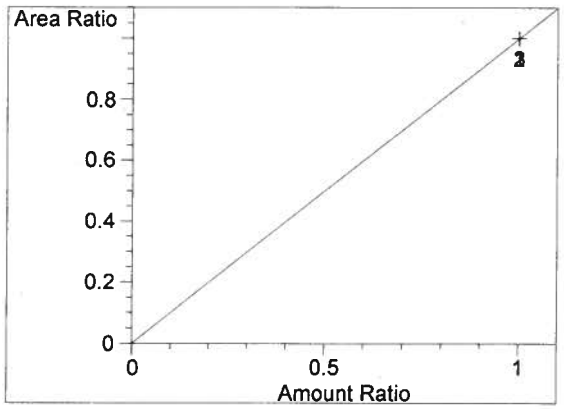
Calibration Curves

==========



Ethanol at exp. RT: 1.027
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00374
Formula: y = mx + b
m: 4.98048
b: 3.03654e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.759
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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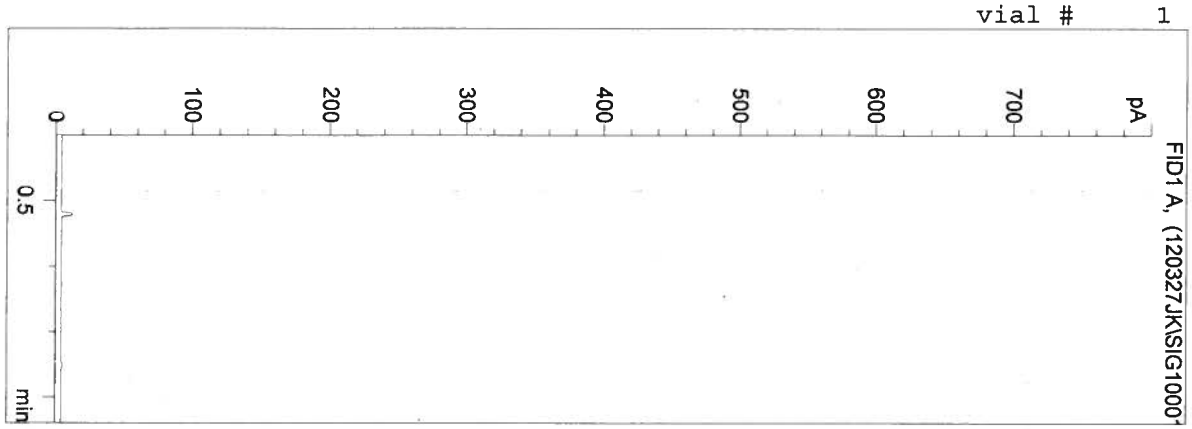
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/27/2012 2:53:18 PM
Instrument 3
DB-ALC2

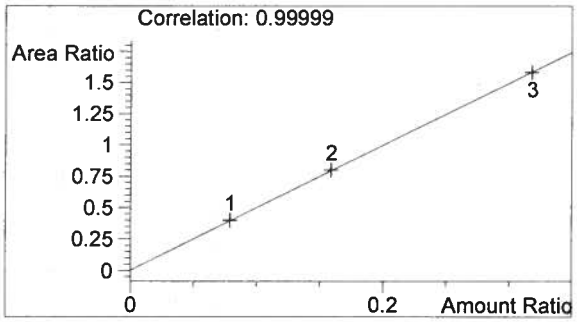
BLANK
Justin Knoy

vial # 1

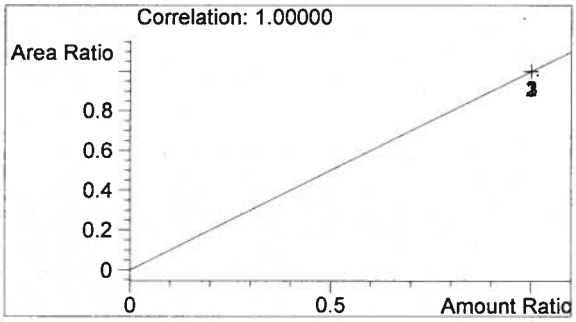


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

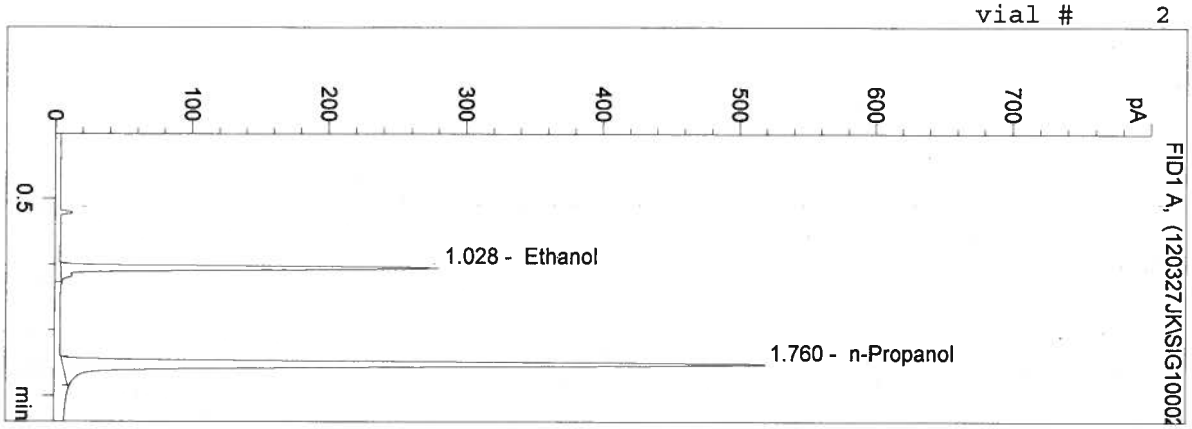
12014

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
3/27/2012 2:56:26 PM
Instrument 3
DB-ALC2

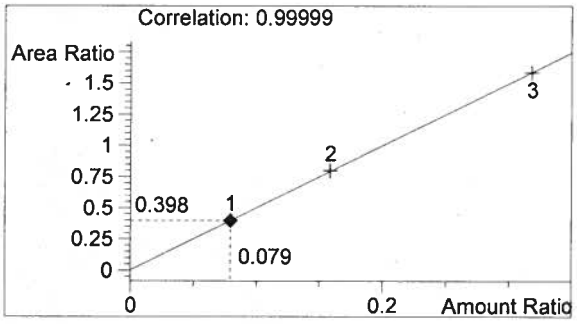
CAL1 0.079
Justin Knoy

vial # 2

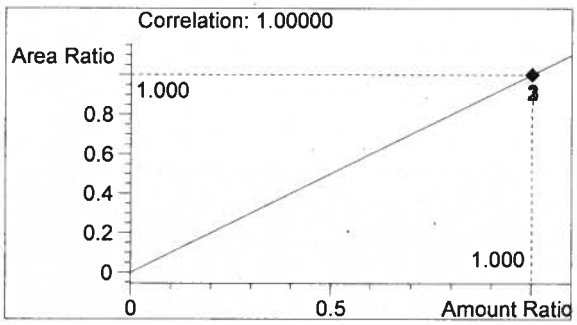


#	Compound	Area	RT
1	Ethanol	564	1.028
2	n-Propanol	1415	1.760

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

12014

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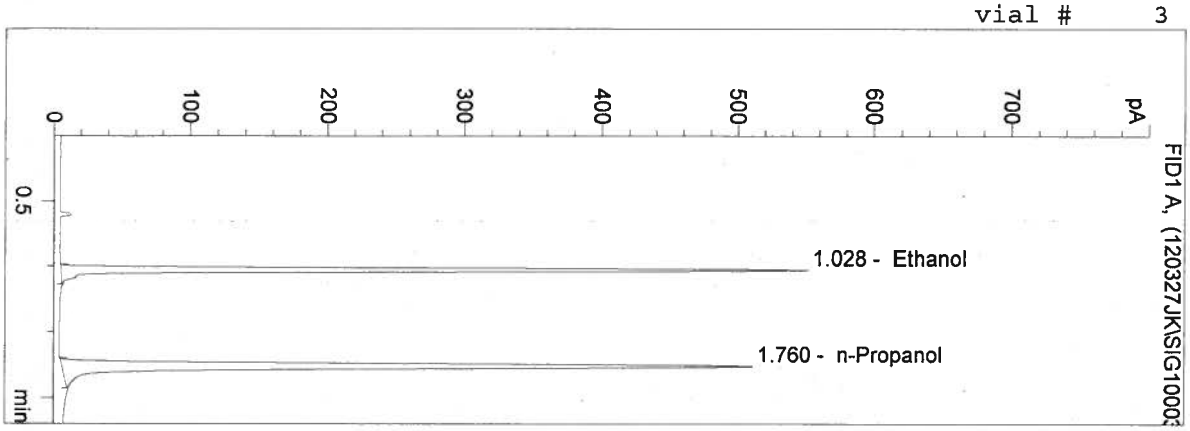
C:\HPCHEM\2\METHODS\SIMALC3.M
3/27/2012 2:59:33 PM
Instrument 3
DB-ALC2

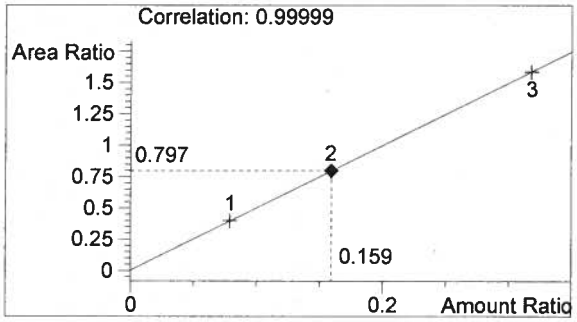
CAL2 0.158
Justin Knoy

vial # 3

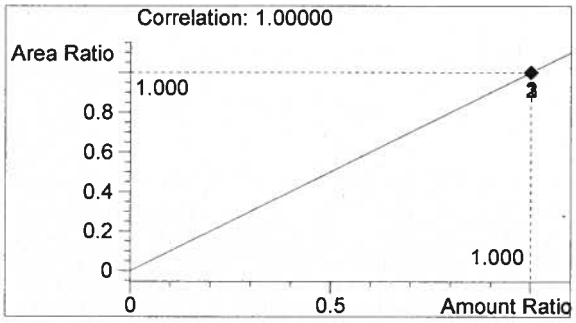


#	Compound	Area	RT
1	Ethanol	1112	1.028
2	n-Propanol	1395	1.760

Totals:



Ethanol 0.159 g/100ml



n-Propanol 1.000 g/100ml

12014

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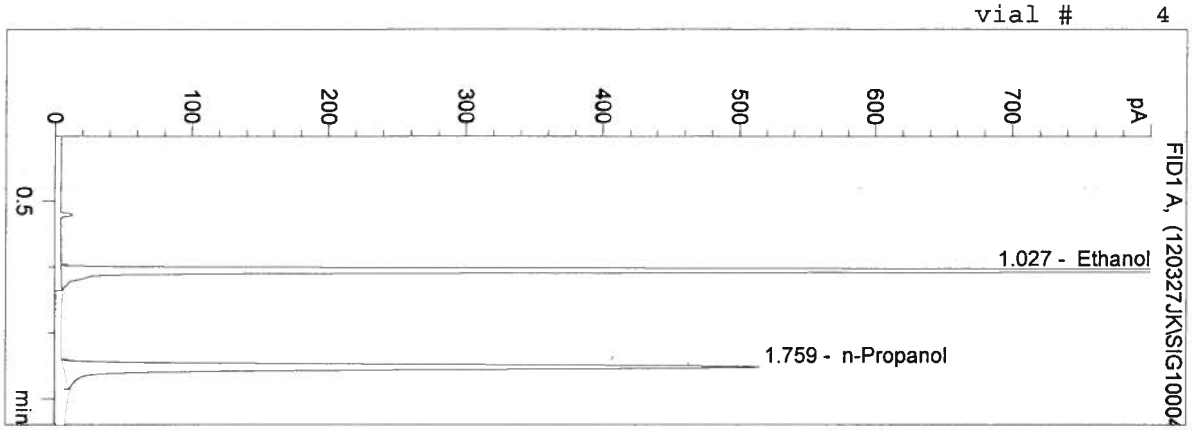
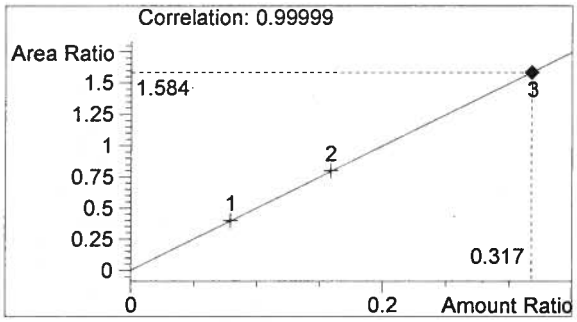
3/27/2012 3:02:40 PM
Instrument 3
DB-ALC2

CAL3 0.316
Justin Knoy

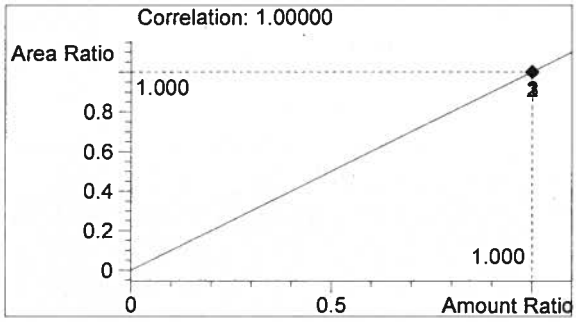
vial # 4



#	Compound	Area	RT
1	Ethanol	2223	1.027
2	n-Propanol	1404	1.759
Totals:			



Ethanol 0.317 g/100ml



n-Propanol 1.000 g/100ml

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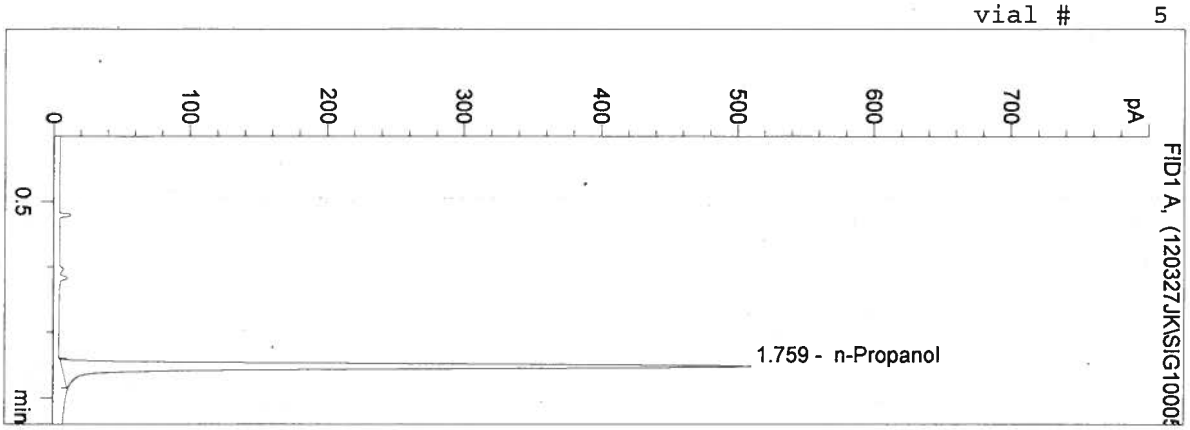
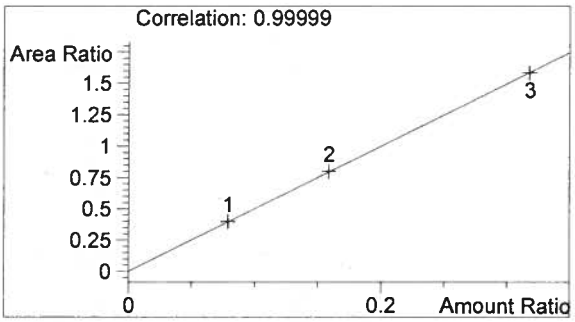
Instrument 3
DB-ALC2

NEG CTRL JK
Justin Knoy

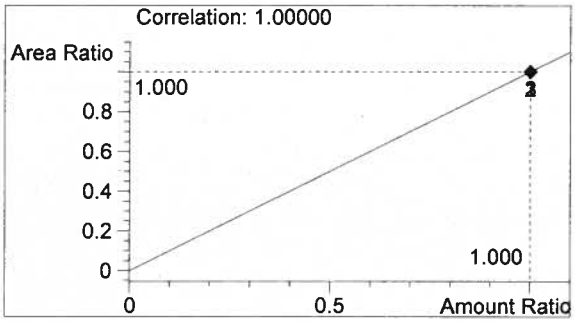
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1393	1.759
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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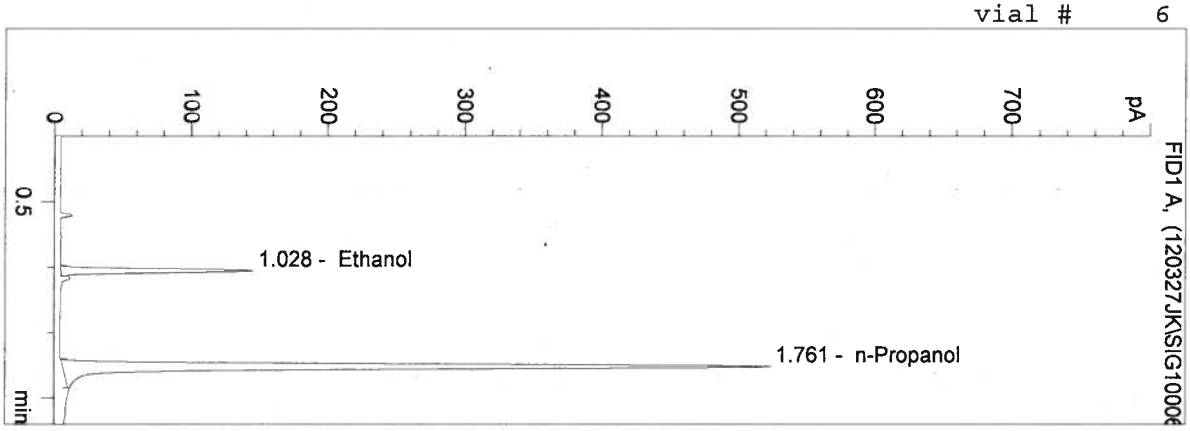
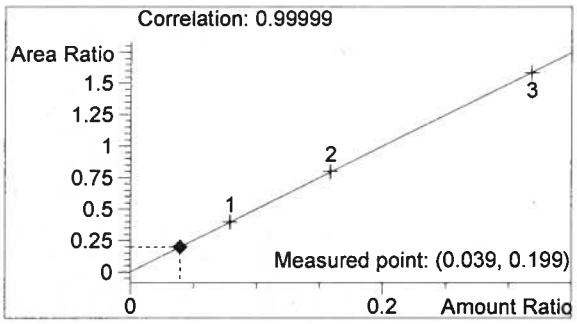
3/27/2012 3:08:56 PM
Instrument 3
DB-ALC2

0.04 CTRL JK
Justin Knoy

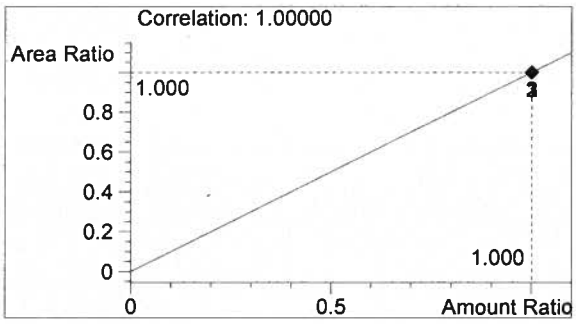
vial # 6



#	Compound	Area	RT
1	Ethanol	284	1.028
2	n-Propanol	1428	1.761
Totals:			



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

12014

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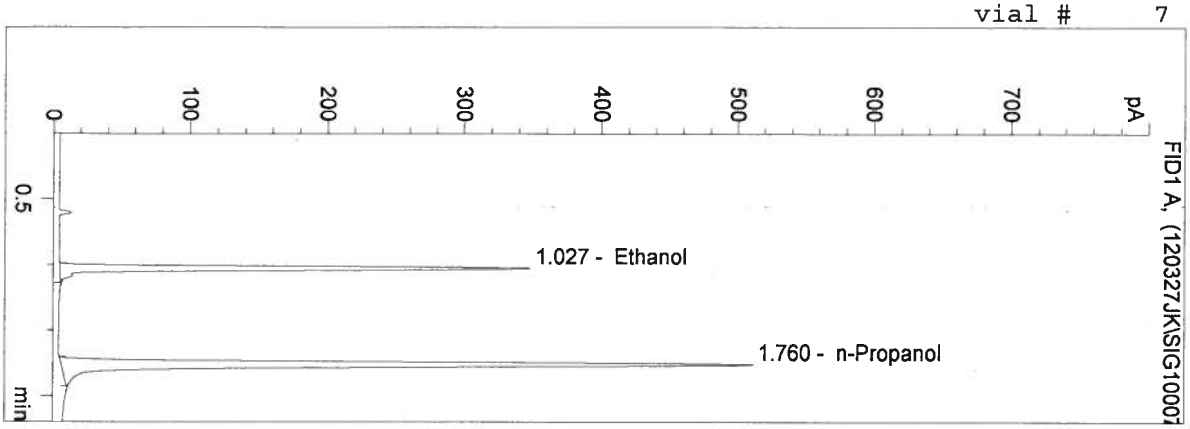
3/27/2012 3:12:03 PM
Instrument 3
DB-ALC2

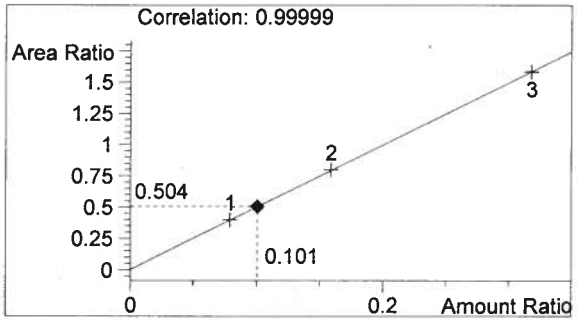
0.10 CTRL JK
Justin Knoy

vial # 7

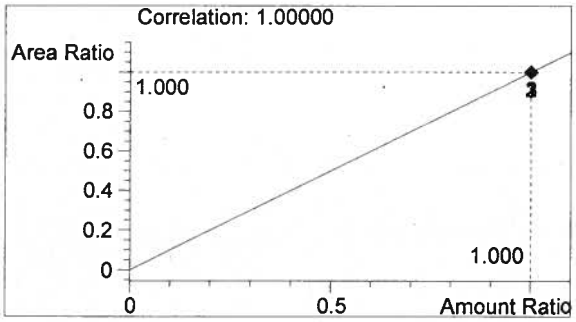


#	Compound	Area	RT
1	Ethanol	704	1.027
2	n-Propanol	1396	1.760

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

12014

WASHINGTON STATE TOXICOLOGY LABORATORY

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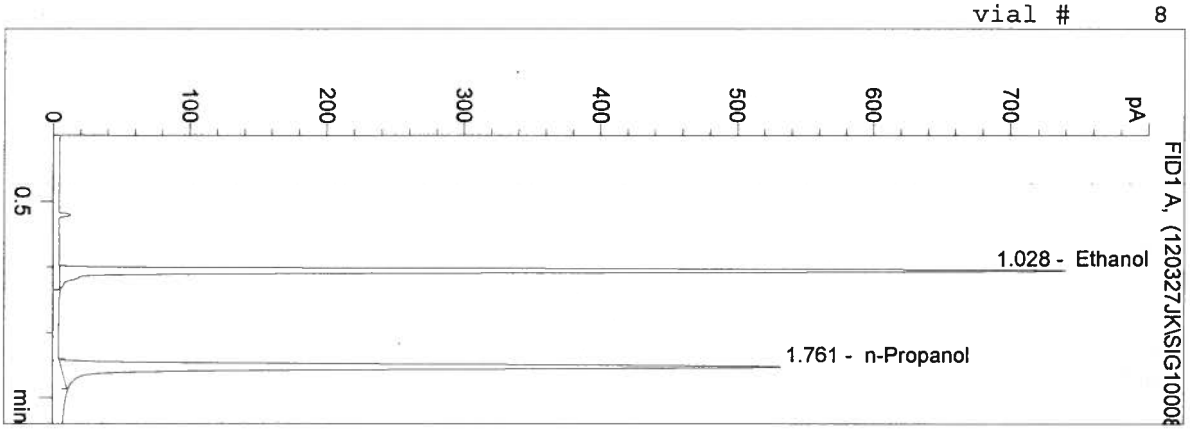
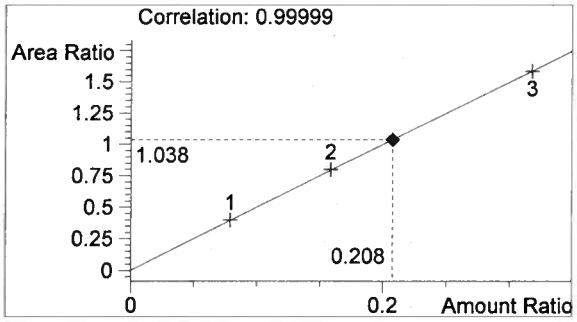
3/27/2012 3:15:11 PM
Instrument 3
DB-ALC2

0.20 CTRL JK
Justin Knoy

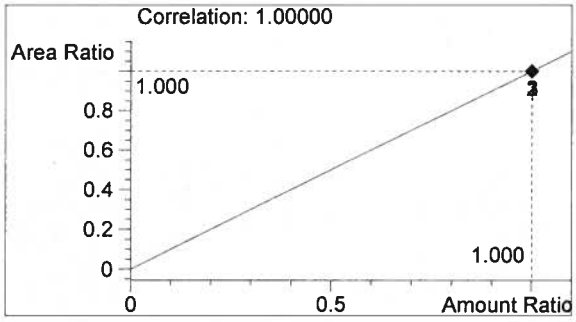
vial # 8



#	Compound	Area	RT
1	Ethanol	1502	1.028
2	n-Propanol	1447	1.761
Totals:			



Ethanol 0.208 g/100ml



n-Propanol 1.000 g/100ml

12014

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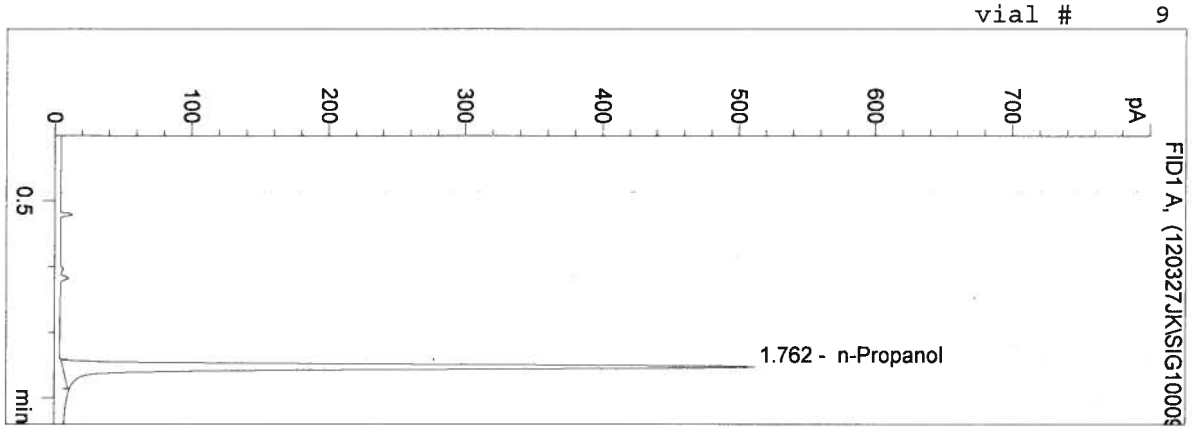
3/27/2012 3:18:18 PM
Instrument 3
DB-ALC2

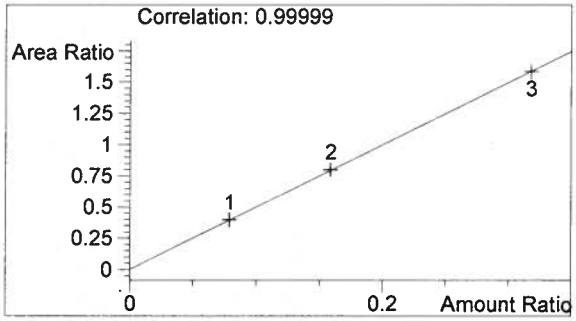
NEG CTRL JK
Justin Knoy

vial # 9

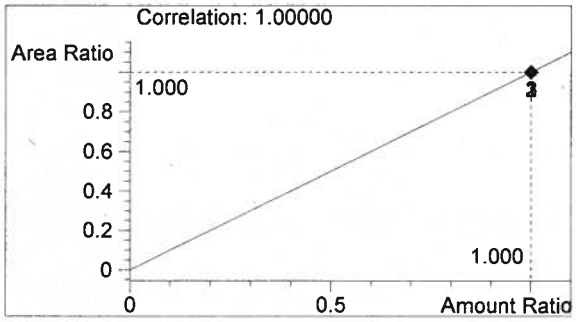


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1391	1.762

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12014

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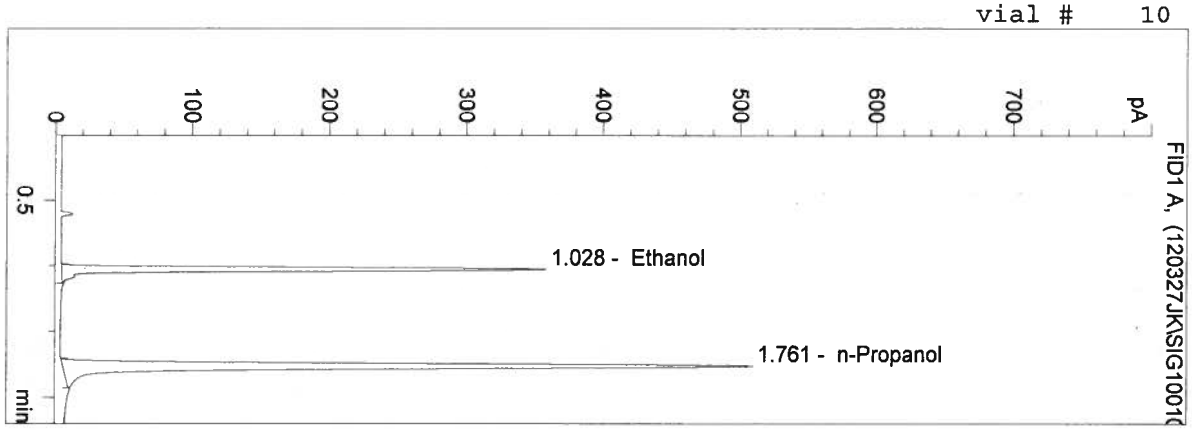
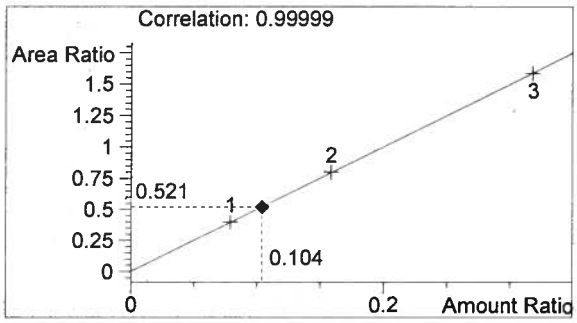
3/27/2012 3:21:26 PM
Instrument 3
DB-ALC2

12014-1
Justin Knoy

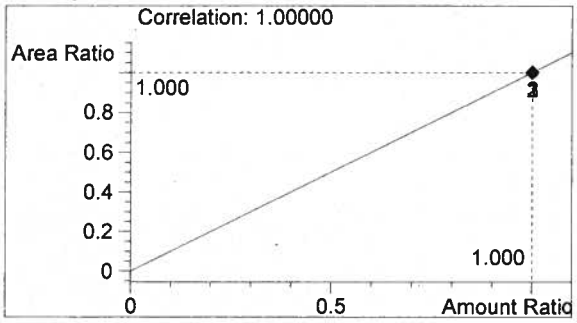
vial # 10



#	Compound	Area	RT
1	Ethanol	724	1.028
2	n-Propanol	1390	1.761
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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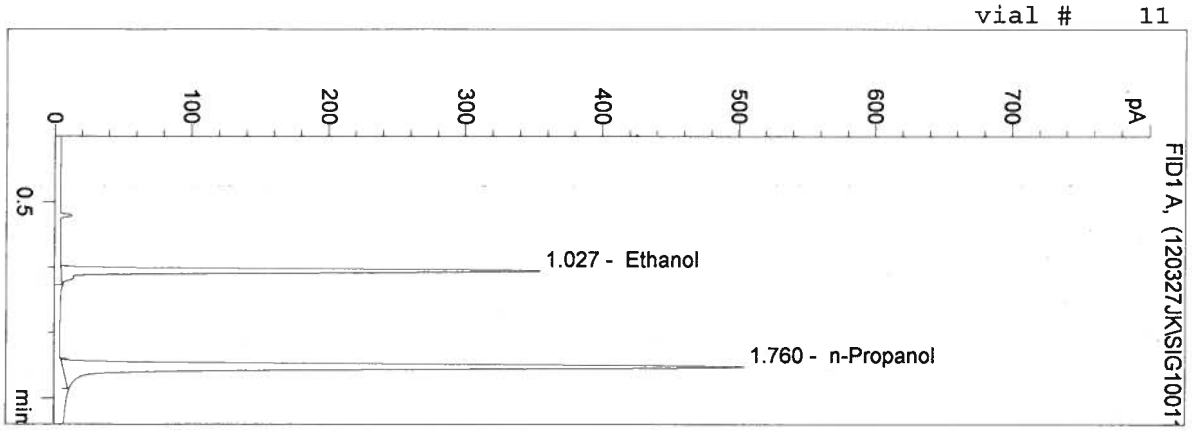
3/27/2012 3:24:33 PM
Instrument 3
DB-ALC2

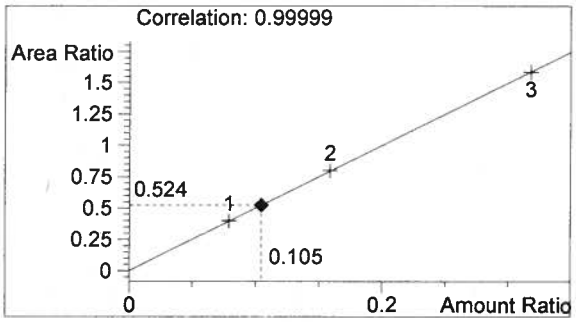
12014-2
Justin Knoy

vial # 11

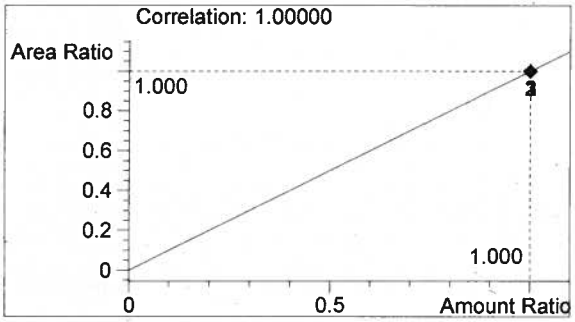


#	Compound	Area	RT
1	Ethanol	722	1.027
2	n-Propanol	1378	1.760

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

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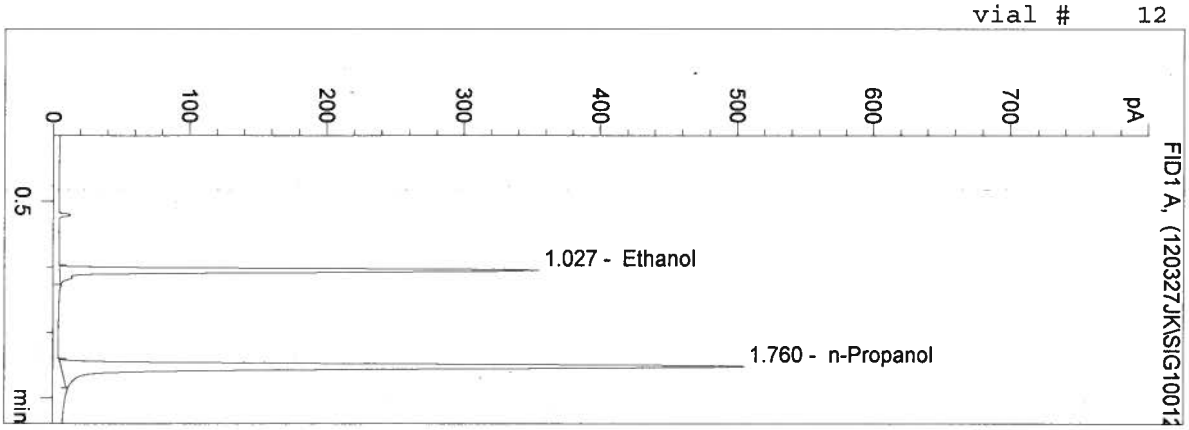
3/27/2012 3:27:41 PM
Instrument 3
DB-ALC2

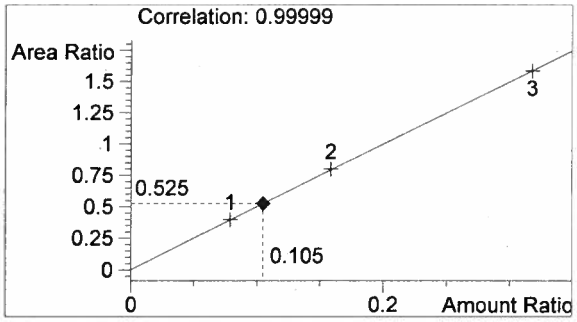
12014-3
Justin Knoy

vial # 12

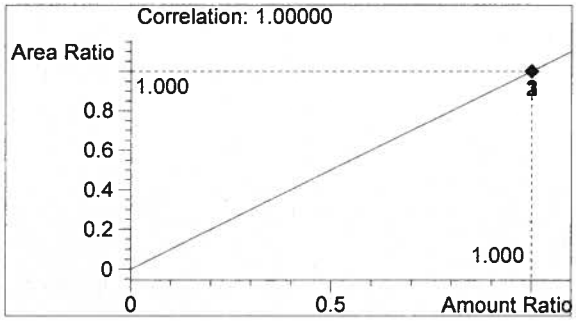


#	Compound	Area	RT
1	Ethanol	725	1.027
2	n-Propanol	1380	1.760

Totals:



Ethanol 0.105 g/100ml



n-Propanol 1.000 g/100ml

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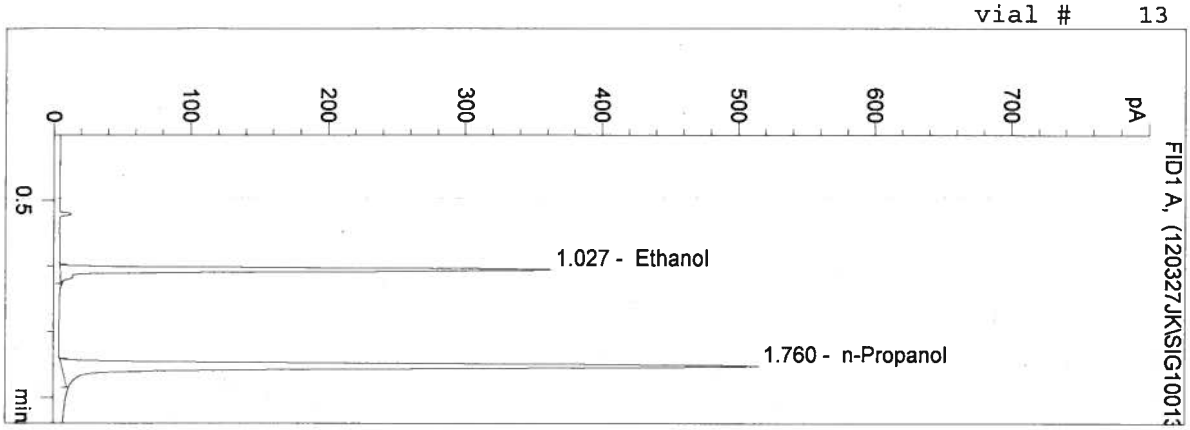
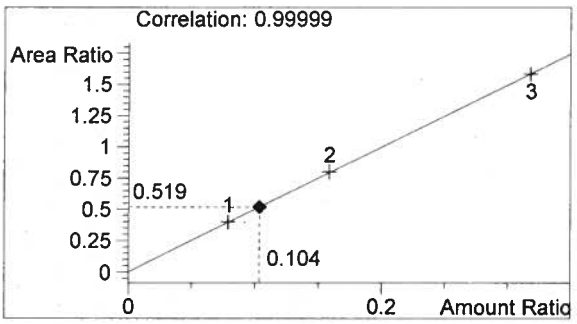
C:\HPCHEM\2\METHODS\SIMALC3.M
3/27/2012 3:30:42 PM
Instrument 3
DB-ALC2

12014-4
Justin Knoy

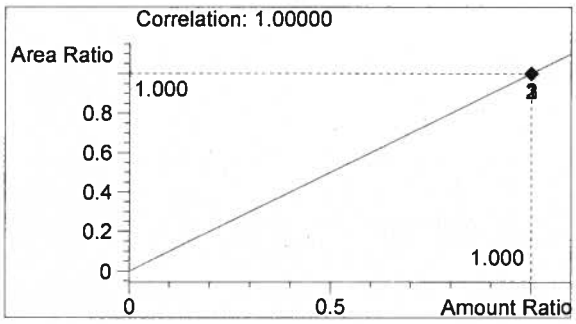
vial # 13



#	Compound	Area	RT
1	Ethanol	731	1.027
2	n-Propanol	1409	1.760
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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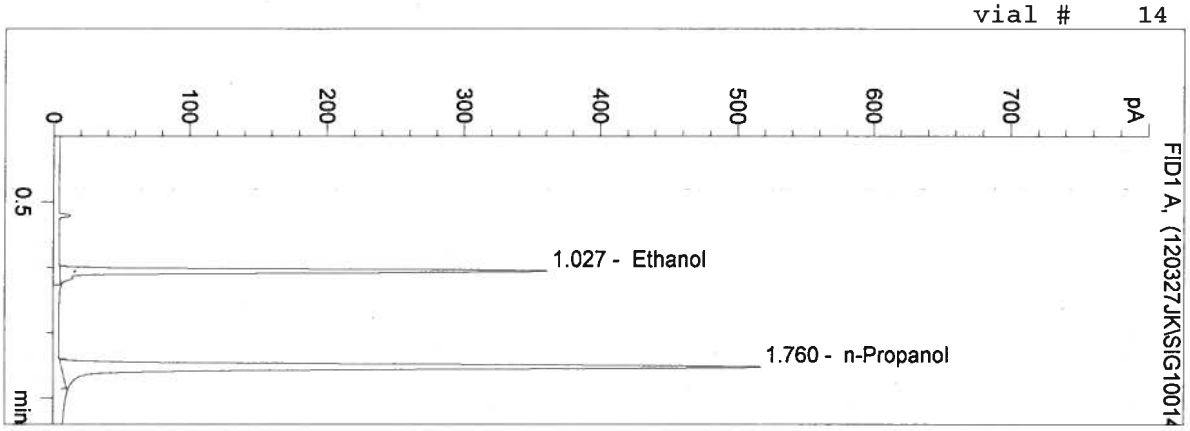
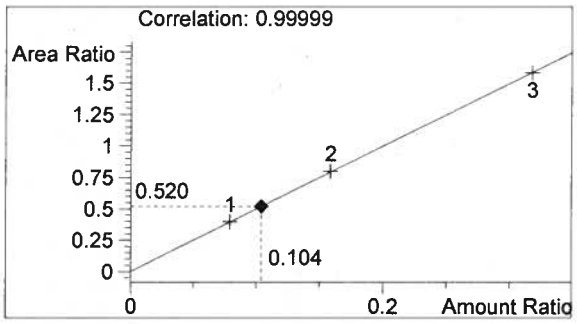
3/27/2012 3:33:49 PM
Instrument 3
DB-ALC2

12014-5
Justin Knoy

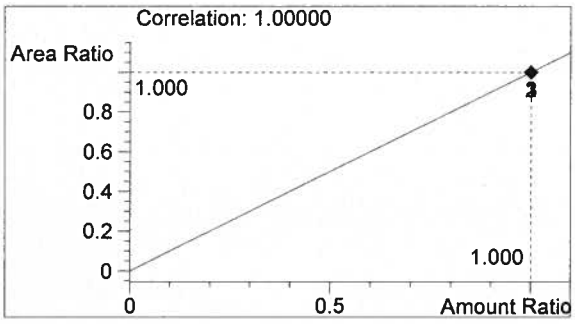
vial # 14



#	Compound	Area	RT
1	Ethanol	735	1.027
2	n-Propanol	1413	1.760
Totals:			



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

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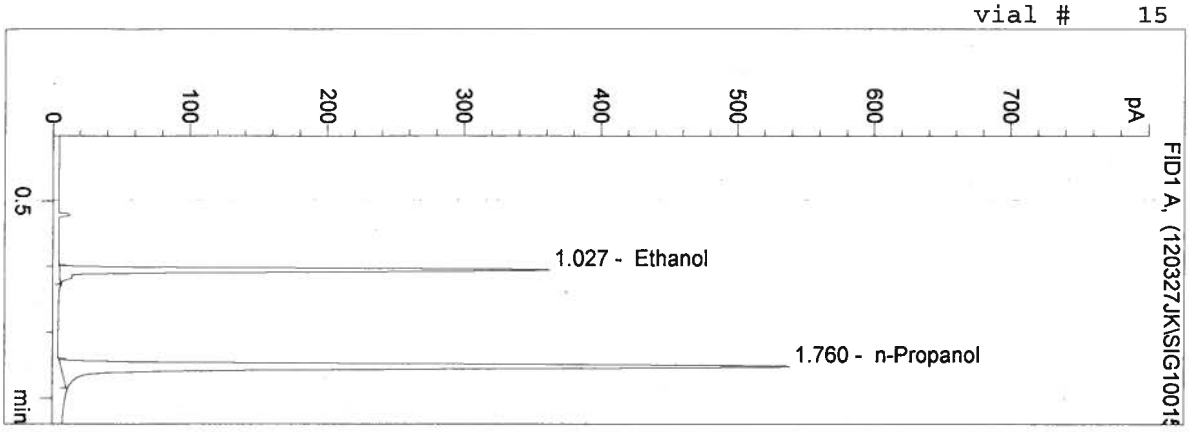
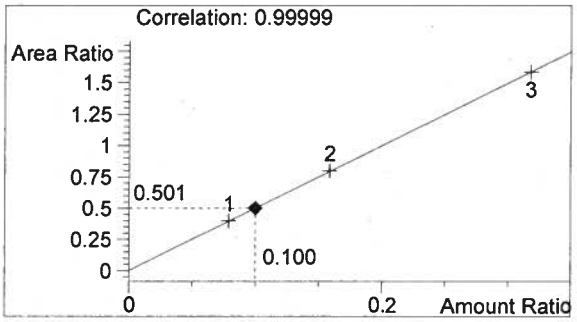
3/27/2012 3:36:57 PM
Instrument 3
DB-ALC2

0.10 CTRL JK
Justin Knoy

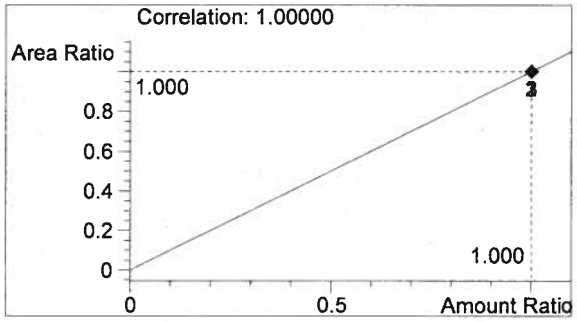
vial # 15



#	Compound	Area	RT
1	Ethanol	735	1.027
2	n-Propanol	1468	1.760
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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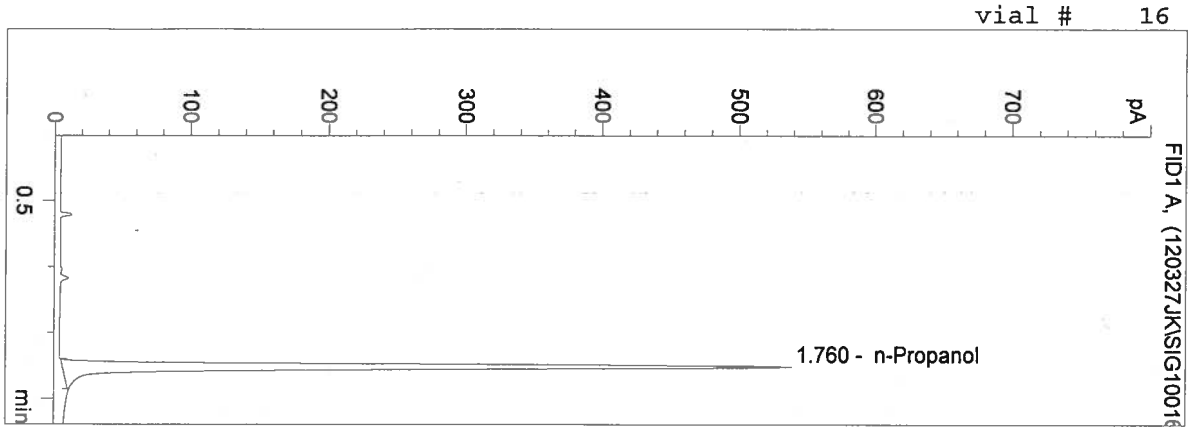
3/27/2012 3:40:05 PM
Instrument 3
DB-ALC2

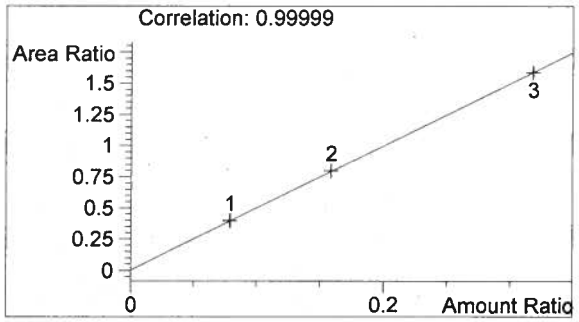
NEG CTRL JK
Justin Knoy

vial # 16

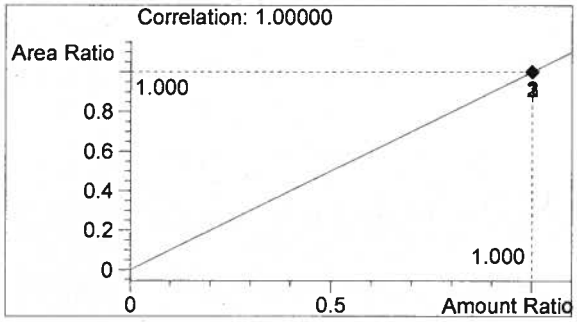


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1473	1.760

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12014

Sequence: C:\HPCHEM\1\SEQUENCE\NNESS3.S

Sequence Parameters:

Operator:	Naziha Nuwayhid, PhD
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120403NN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A083355 - exp 12/2015
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Cal1: E0112-01 exp 4/29 2012
3	Vial 3	Cal2: E0112-02 exp 4/29 2012
4	Vial 4	Cal3: E0112-03 exp 4/29 2012
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	

12014

NN 4/3/12

Sequence: C:\HPCHEM\1\SEQUENCE\NNESS3.S

Line	Location	Sample Information
16	Vial 16	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL3	SIMALC3	1	Calib		
5	Vial 5	NEG CTL-NN	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTL-NN	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTL-NN	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTL-NN	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTL-NN	SIMALC3	1	Ctrl Samp		
10	Vial 10	ESS 12014-1	SIMALC3	1	Sample		
11	Vial 11	ESS 12014-2	SIMALC3	1	Sample		
12	Vial 12	ESS 12014-3	SIMALC3	1	Sample		
13	Vial 13	ESS 12014-4	SIMALC3	1	Sample		
14	Vial 14	ESS 12014-5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTL-NN	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTL-NN	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12014

NN 4/3/12

Method C:\HPCHEM\2\METHODS\SIMALC3.M

Calibration Table

Calib. Data Modified : Tuesday, April 03, 2012 8:35:53 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100mL]	Name
1	1.00000	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.028	1	1	7.90200e-2	562.55914	1.40465e-4	1		Ethanol
		2	1.58720e-1	1112.48840	1.42671e-4			
		3	3.17800e-1	2268.94897	1.40065e-4			
1.760	1	1	1.00000	1315.63318	7.60090e-4	I1		n-Propanol
		2	1.00000	1290.33887	7.74990e-4			
		3	1.00000	1331.75476	7.50889e-4			

Peak Sum Table

No Entries in table

12014

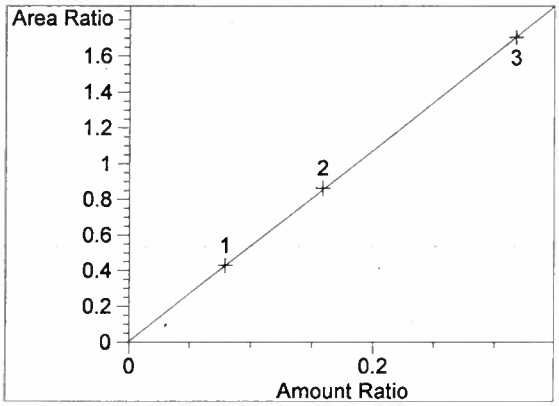
4/3/12 NN

Method C:\HPCHEM\2\METHODS\SIMALC3.M

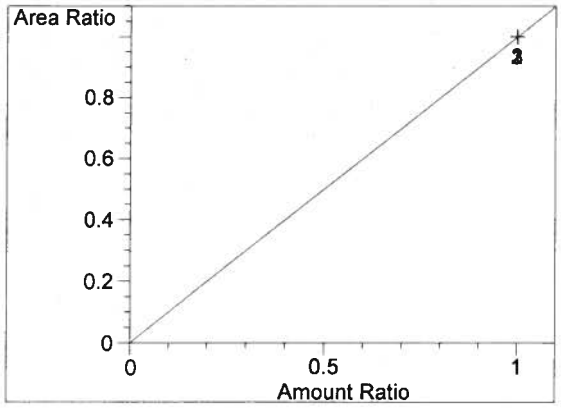
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.028
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00651
Formula: y = mx + b
m: 5.36075
b: 3.84463e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.760
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

12014

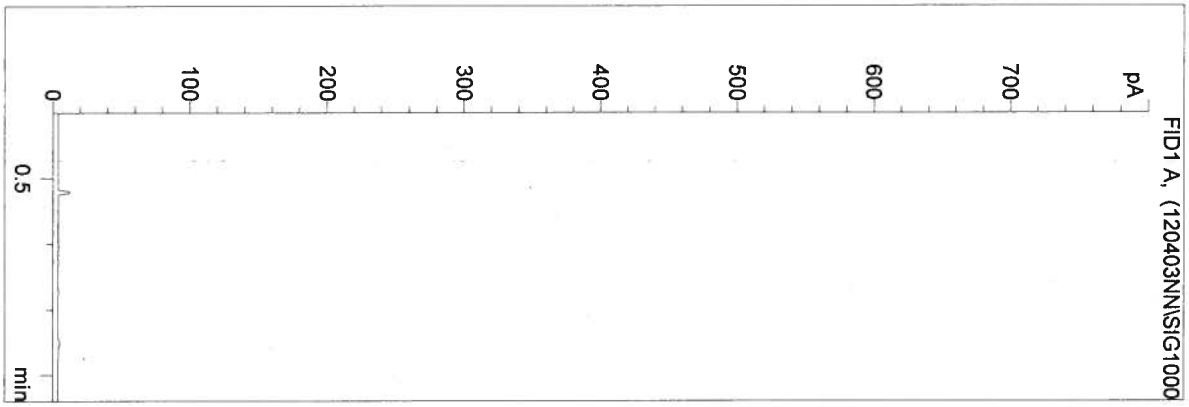
4/3/12 NN

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
4/3/2012 8:24:18 AM
Instrument 3
DB-ALC2

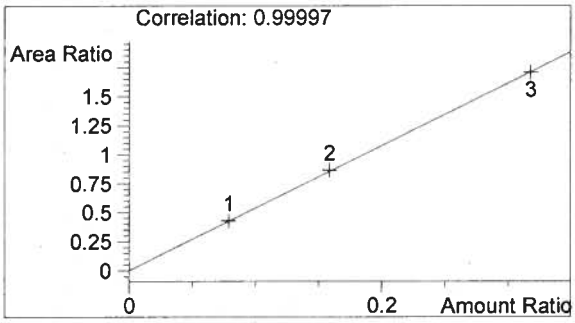
BLANK
Naziha Nuwayhid, PhD

vial # 1

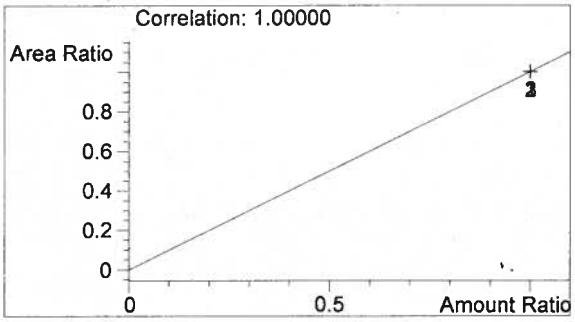


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

12014

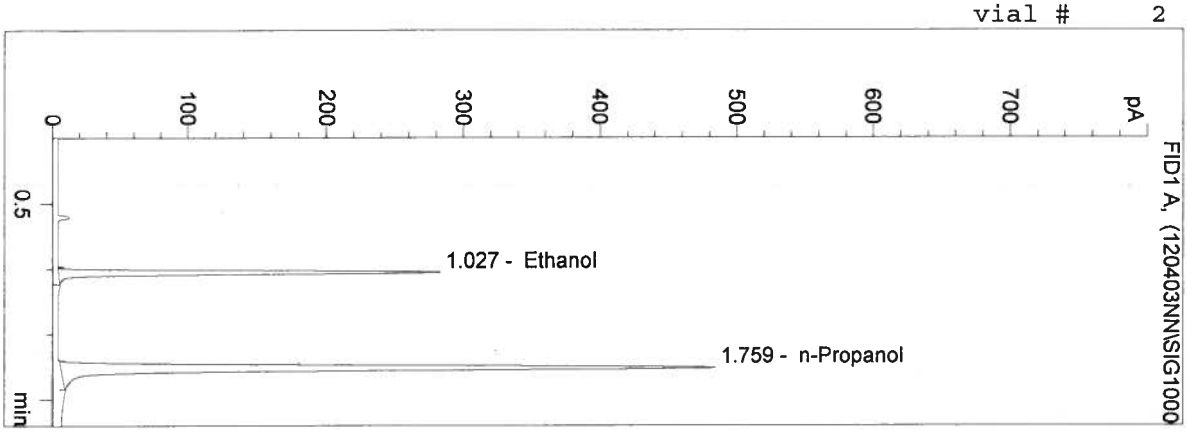
4/3/12

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
4/3/2012 8:27:26 AM
Instrument 3
DB-ALC2

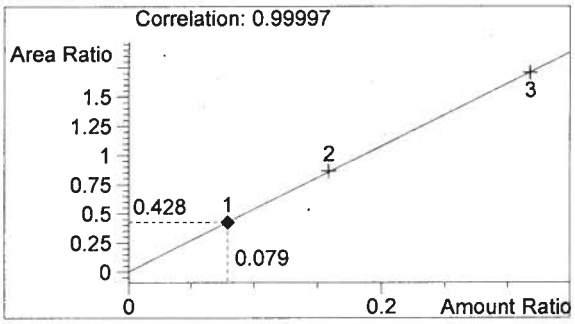
0.079 CAL1
Naziha Nuwayhid, PhD

vial # 2

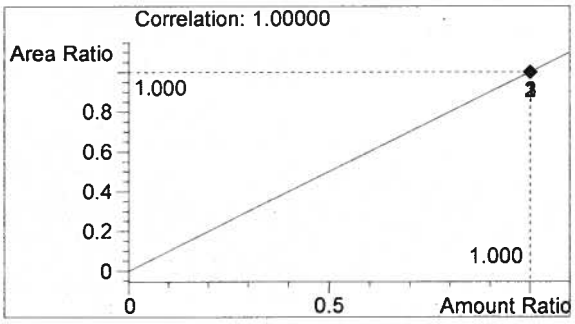


#	Compound	Area	RT
1	Ethanol	563	1.027
2	n-Propanol	1316	1.759

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

12014

4/3/12 WN

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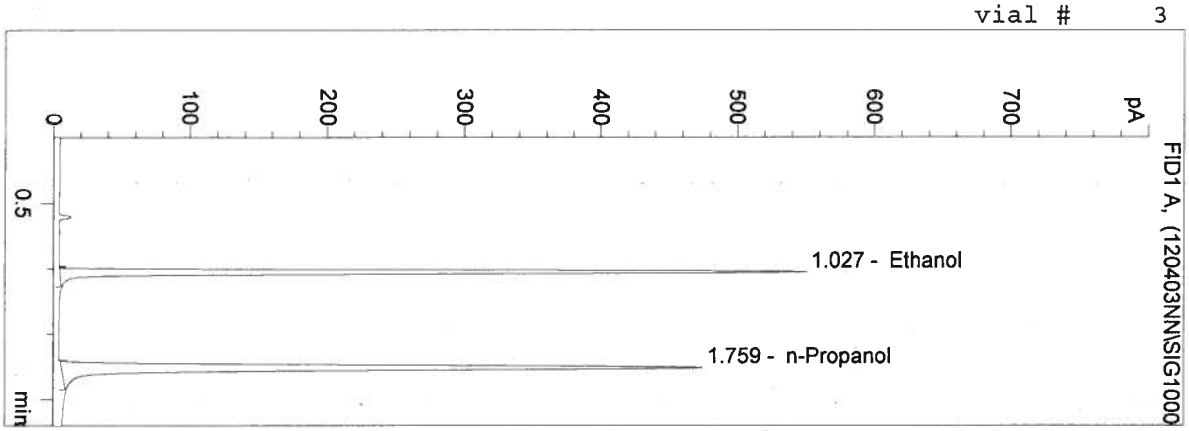
C:\HPCHEM\2\METHODS\SIMALC3.M
4/3/2012 8:30:33 AM
Instrument 3
DB-ALC2

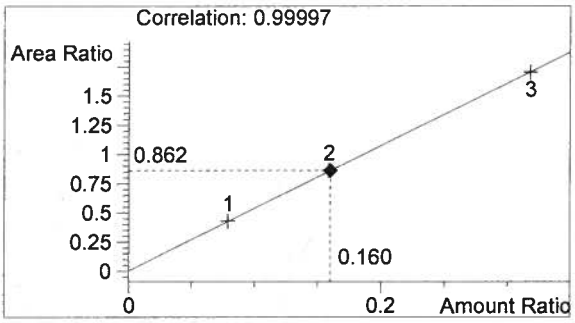
0.158 CAL2
Naziha Nuwayhid, PhD

vial # 3

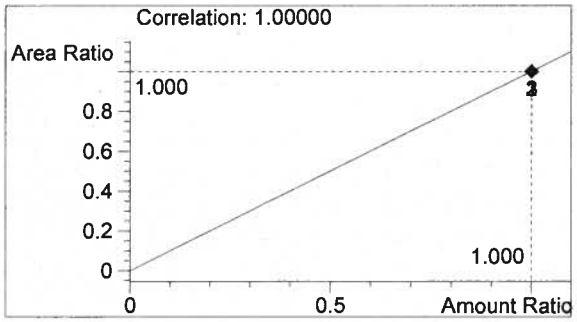


#	Compound	Area	RT
1	Ethanol	1112	1.027
2	n-Propanol	1290	1.759

Totals:



Ethanol 0.160 g/100ml



n-Propanol 1.000 g/100ml

12014

4/3/12 NN

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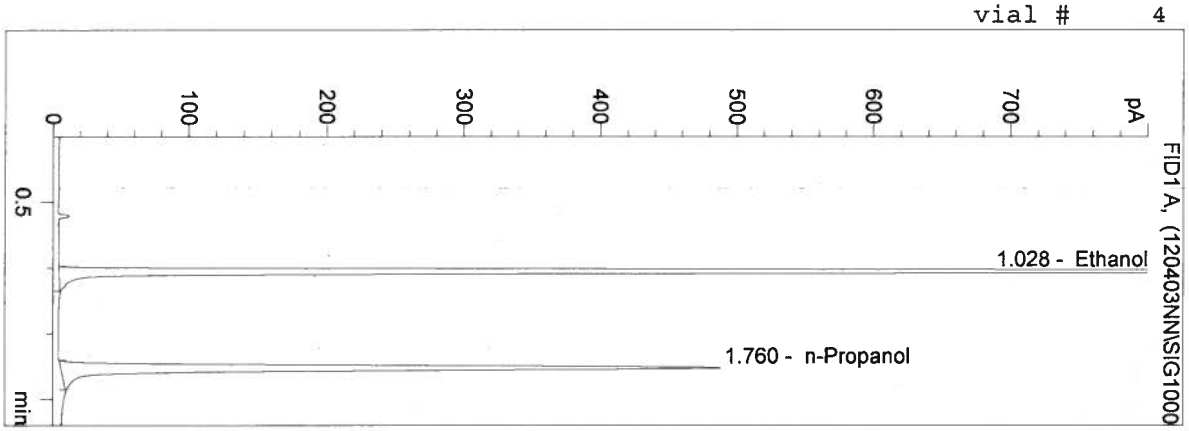
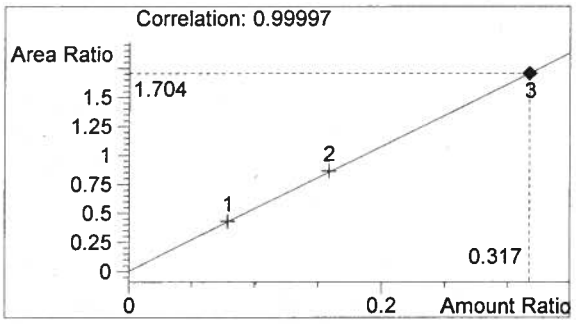
C:\HPCHEM\2\METHODS\SIMALC3.M
4/3/2012 8:33:41 AM
Instrument 3
DB-ALC2

0.316 CAL3
Naziha Nuwayhid, PhD

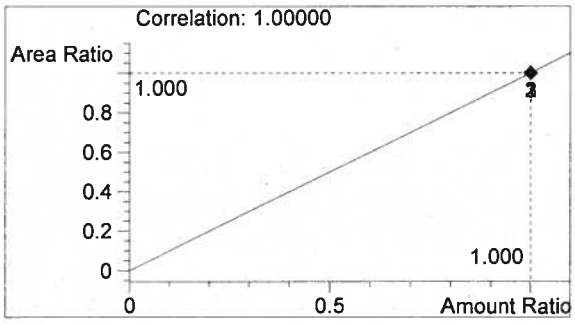
vial # 4



#	Compound	Area	RT
1	Ethanol	2269	1.028
2	n-Propanol	1332	1.760
Totals:			



Ethanol 0.317 g/100ml



n-Propanol 1.000 g/100ml

12014

4/3/12 NN

WASHINGTON STATE TOXICOLOGY LABORATORY

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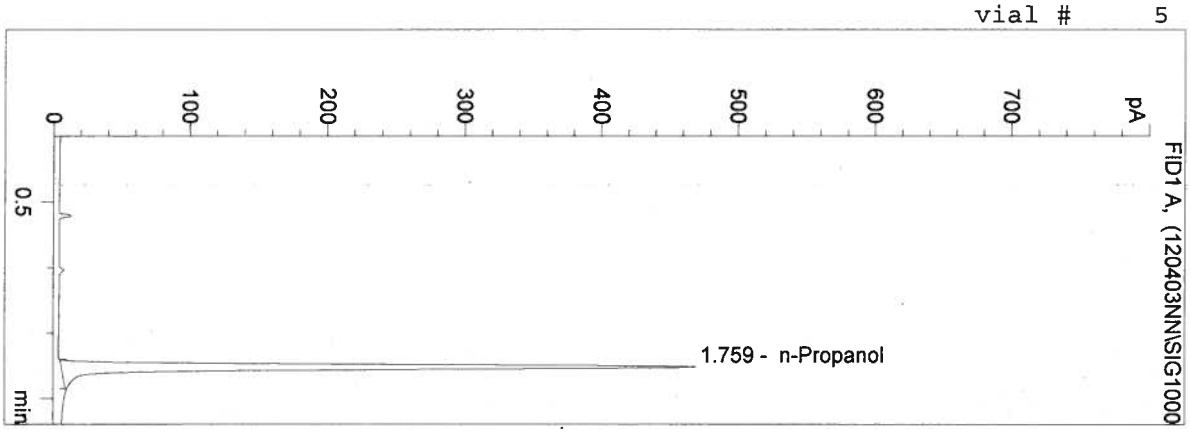
4/3/2012 8:36:49 AM
Instrument 3
DB-ALC2

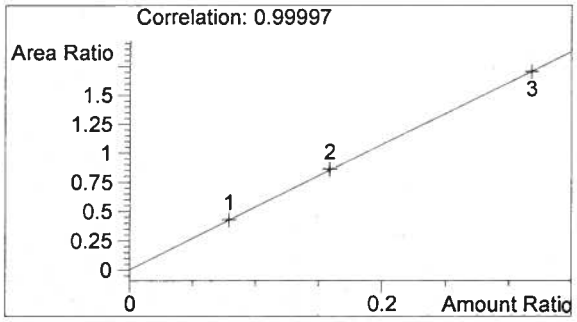
NEG CTL-NN
Naziha Nuwayhid, PhD

vial # 5

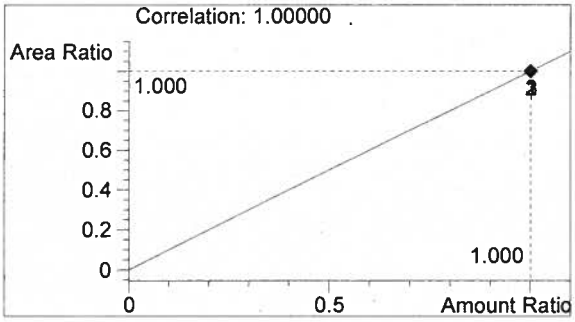


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1279	1.759

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12014

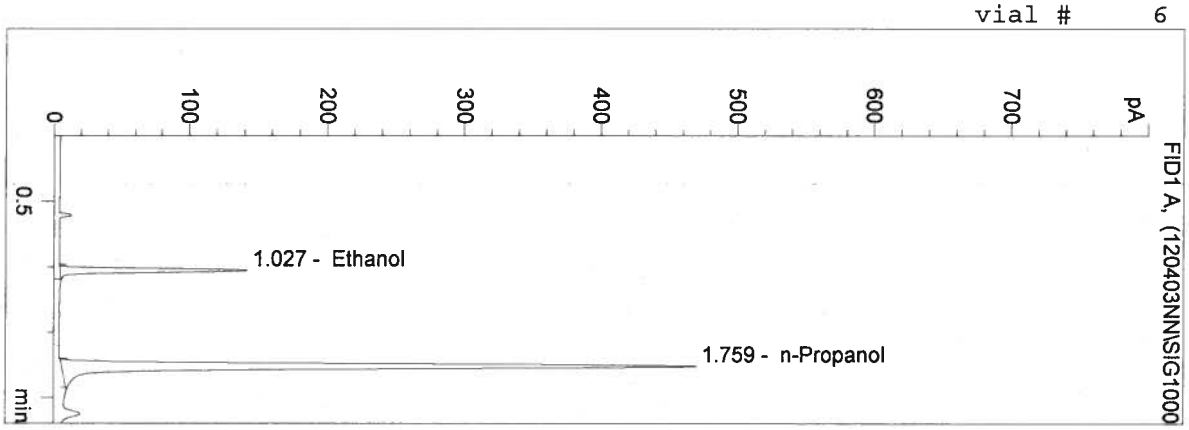
4/3/12 NN

WASHINGTON STATE TOXICOLOGY LABORATORY

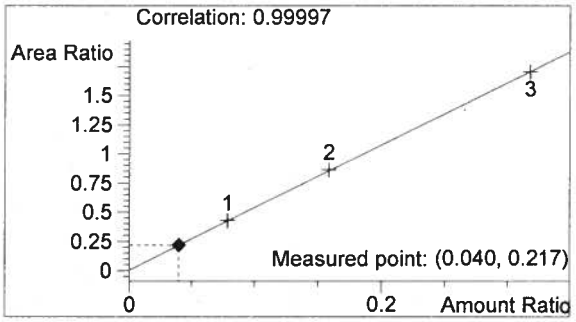
C:\HPCHEM\2\METHODS\SIMALC3.M
4/3/2012 8:39:56 AM
Instrument 3
DB-ALC2

0.04 CTL-NN
Naziha Nuwayhid, PhD

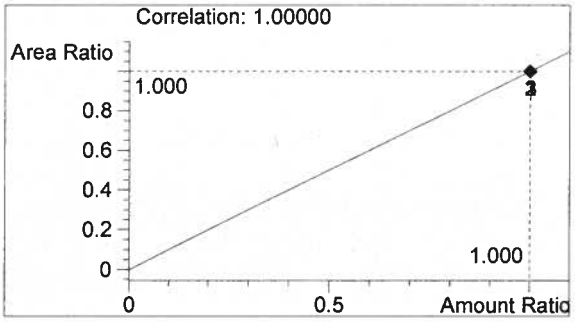
vial # 6



#	Compound	Area	RT
1	Ethanol	280	1.027
2	n-Propanol	1286	1.759
Totals:			



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

12014

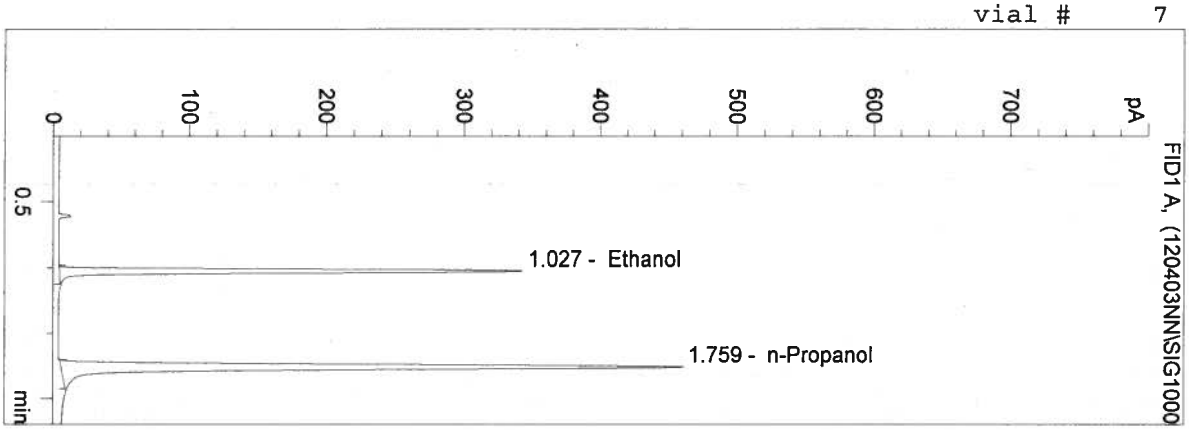
4/3/12 NN

WASHINGTON STATE TOXICOLOGY LABORATORY

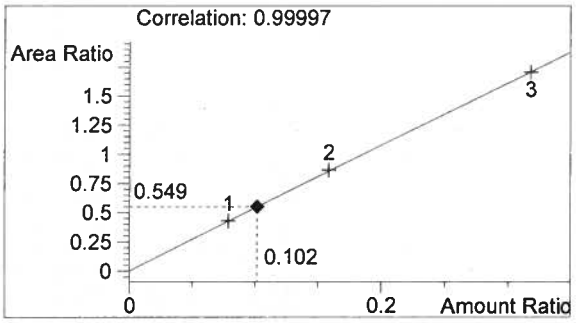
C:\HPCHEM\2\METHODS\SIMALC3.M
4/3/2012 8:43:04 AM
Instrument 3
DB-ALC2

0.10 CTL-NN
Naziha Nuwayhid, PhD

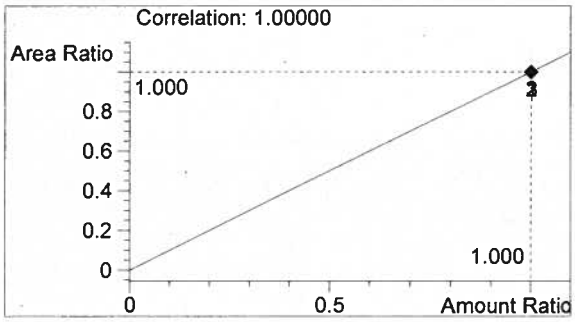
vial # 7



#	Compound	Area	RT
1	Ethanol	693	1.027
2	n-Propanol	1261	1.759
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

12014

4/3/12 NN

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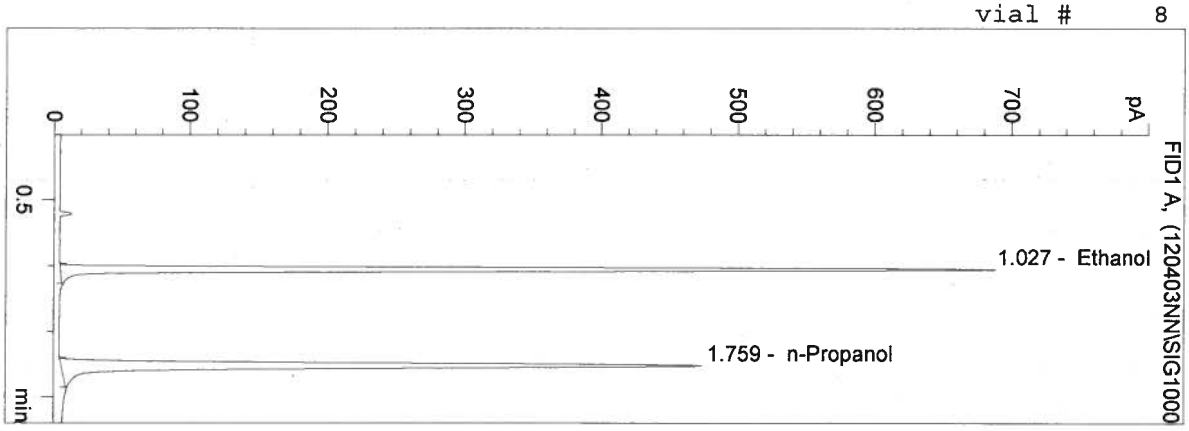
C:\HPCHEM\2\METHODS\SIMALC3.M
4/3/2012 8:46:12 AM
Instrument 3
DB-ALC2

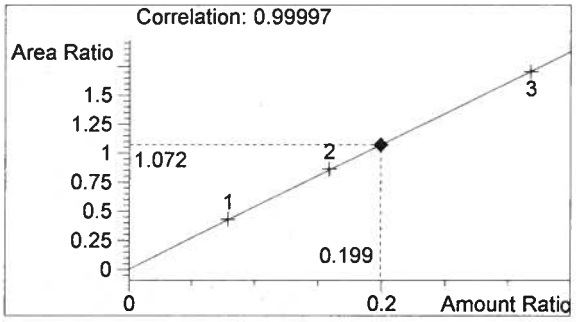
0.20 CTL-NN
Naziha Nuwayhid, PhD

vial # 8

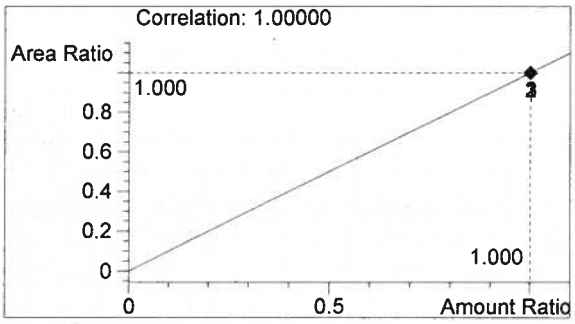


#	Compound	Area	RT
1	Ethanol	1392	1.027
2	n-Propanol	1299	1.759

Totals:



Ethanol 0.199 g/100ml



n-Propanol 1.000 g/100ml

12014

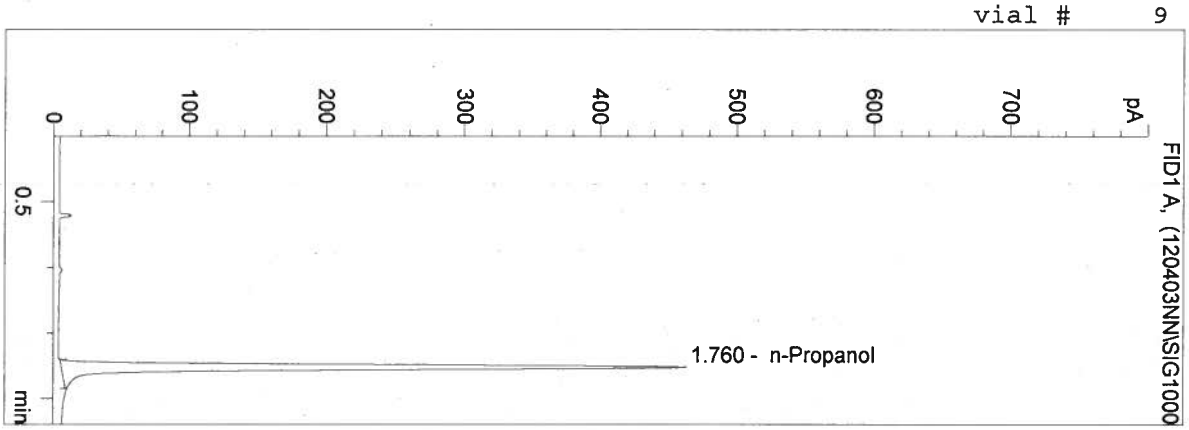
4/3/12 NN

WASHINGTON STATE TOXICOLOGY LABORATORY

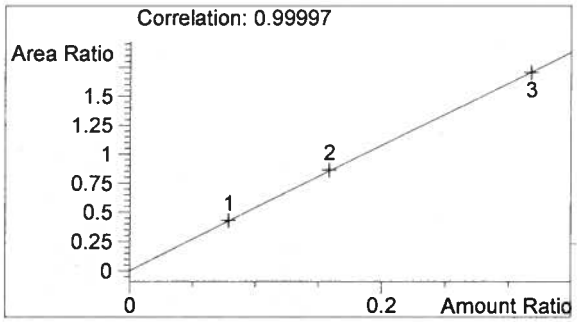
C:\HPCHEM\2\METHODS\SIMALC3.M
4/3/2012 8:49:19 AM
Instrument 3
DB-ALC2

NEG CTL-NN
Naziha Nuwayhid, PhD

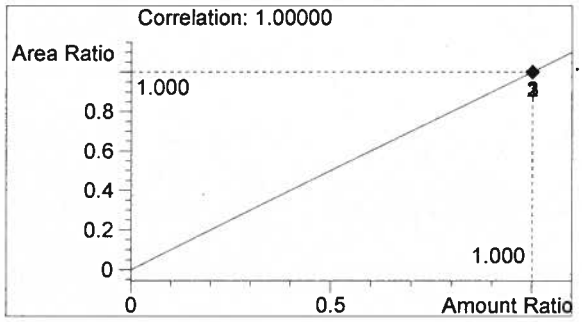
vial # 9



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1266	1.760
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12014

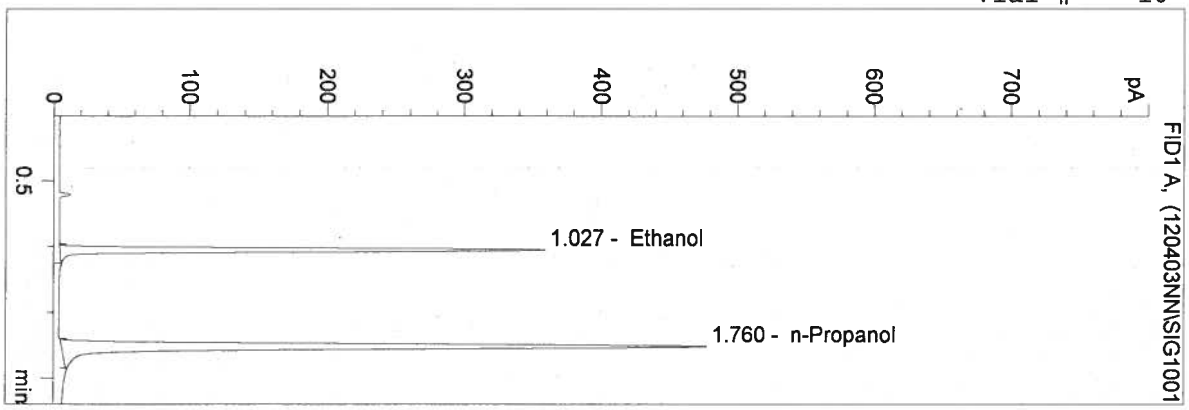
4/3/12 NN

WASHINGTON STATE TOXICOLOGY LABORATORY

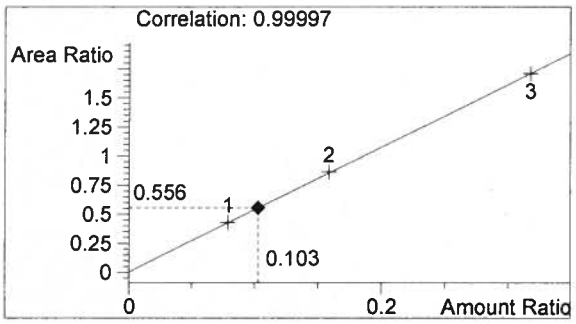
C:\HPCHEM\2\METHODS\SIMALC3.M
4/3/2012 8:52:27 AM
Instrument 3
DB-ALC2

ESS 12014-1
Naziha Nuwayhid, PhD

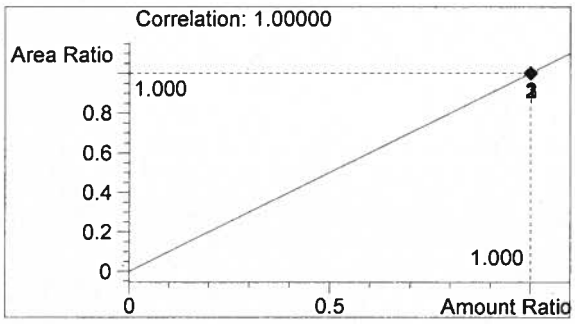
vial # 10



#	Compound	Area	RT
1	Ethanol	725	1.027
2	n-Propanol	1305	1.760
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

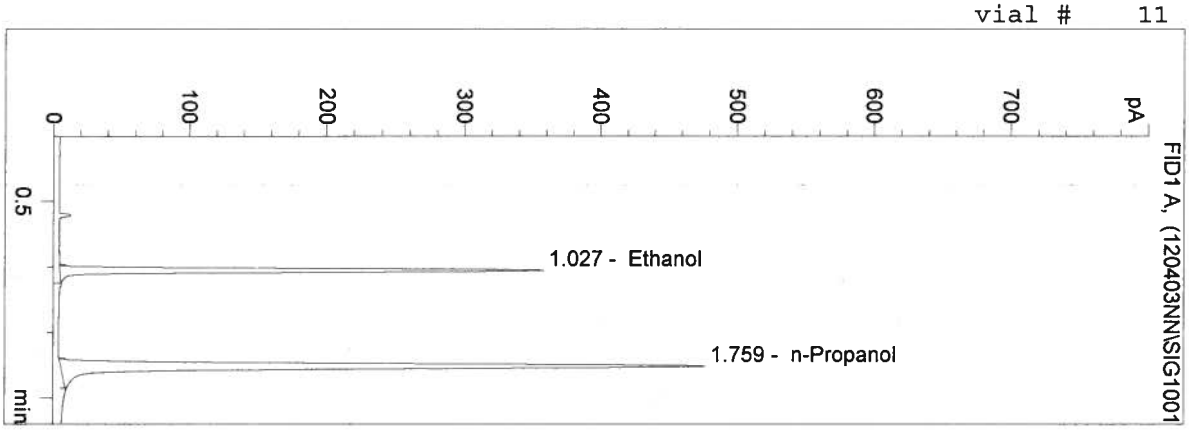
4/3/12 NN

WASHINGTON STATE TOXICOLOGY LABORATORY

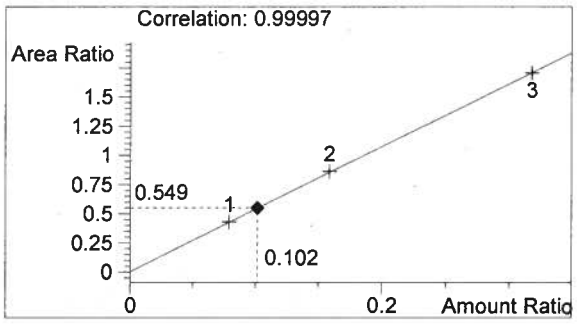
C:\HPCHEM\2\METHODS\SIMALC3.M
4/3/2012 8:55:35 AM
Instrument 3
DB-ALC2

ESS 12014-2
Naziha Nuwayhid, PhD

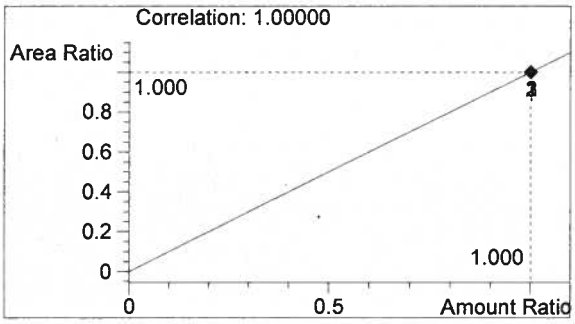
vial # 11



#	Compound	Area	RT
1	Ethanol	717	1.027
2	n-Propanol	1306	1.759
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

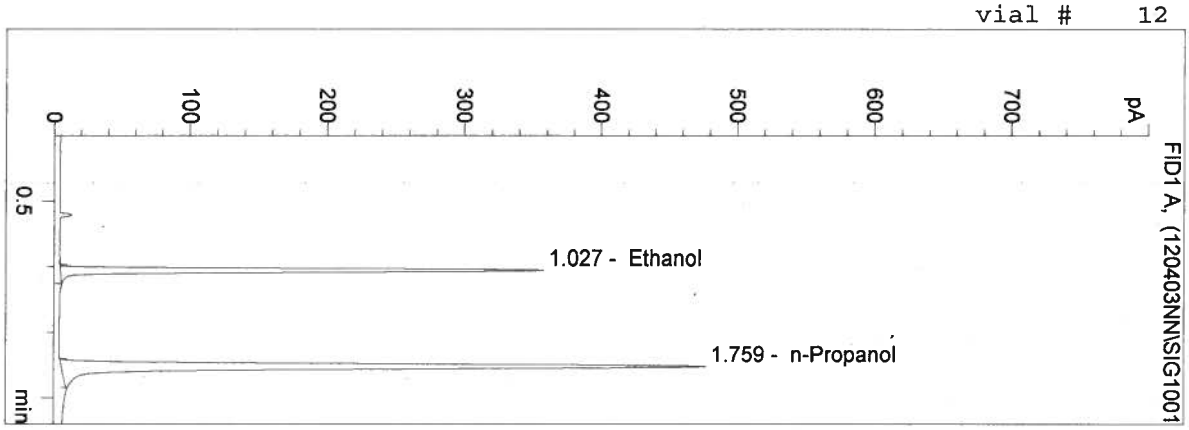
4/3/12 NN

WASHINGTON STATE TOXICOLOGY LABORATORY

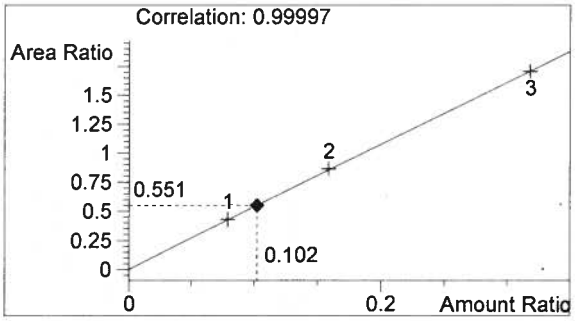
C:\HPCHEM\2\METHODS\SIMALC3.M
4/3/2012 8:58:42 AM
Instrument 3
DB-ALC2

ESS 12014-3
Naziha Nuwayhid, PhD

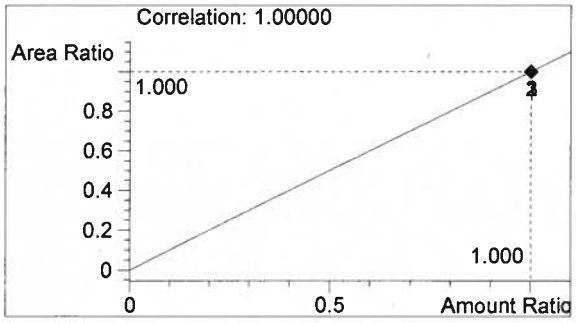
vial # 12



#	Compound	Area	RT
1	Ethanol	719	1.027
2	n-Propanol	1306	1.759
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

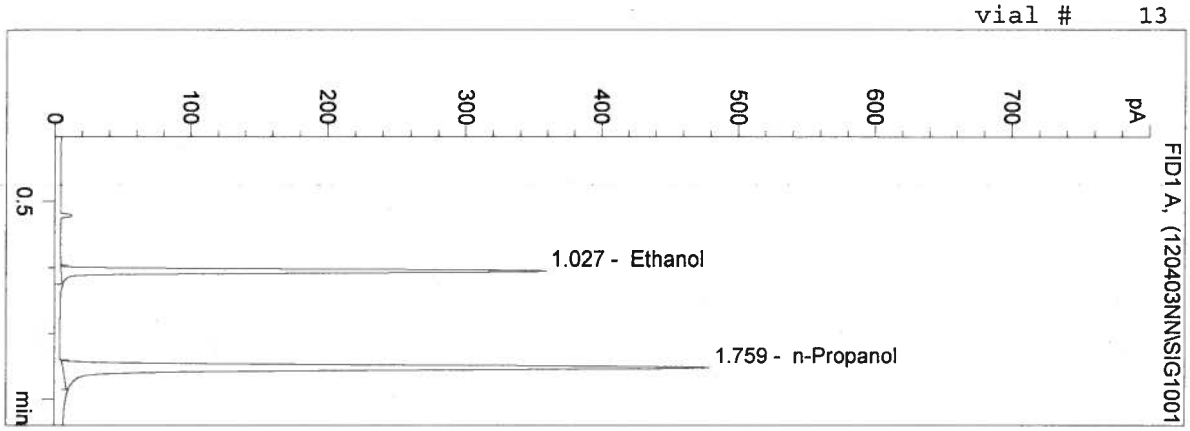
4/3/12 NN

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
4/3/2012 9:01:50 AM
Instrument 3
DB-ALC2

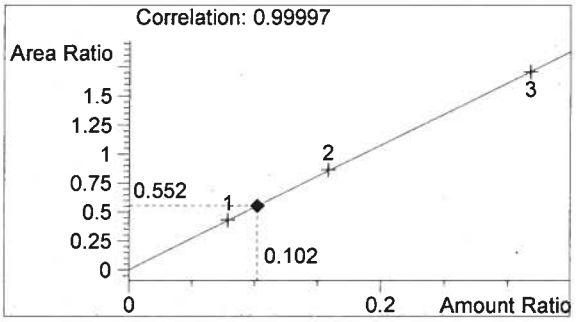
ESS 12014-4
Naziha Nuwayhid, PhD

vial # 13

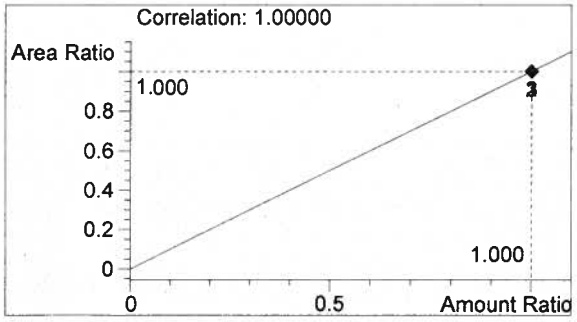


#	Compound	Area	RT
1	Ethanol	723	1.027
2	n-Propanol	1310	1.759

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

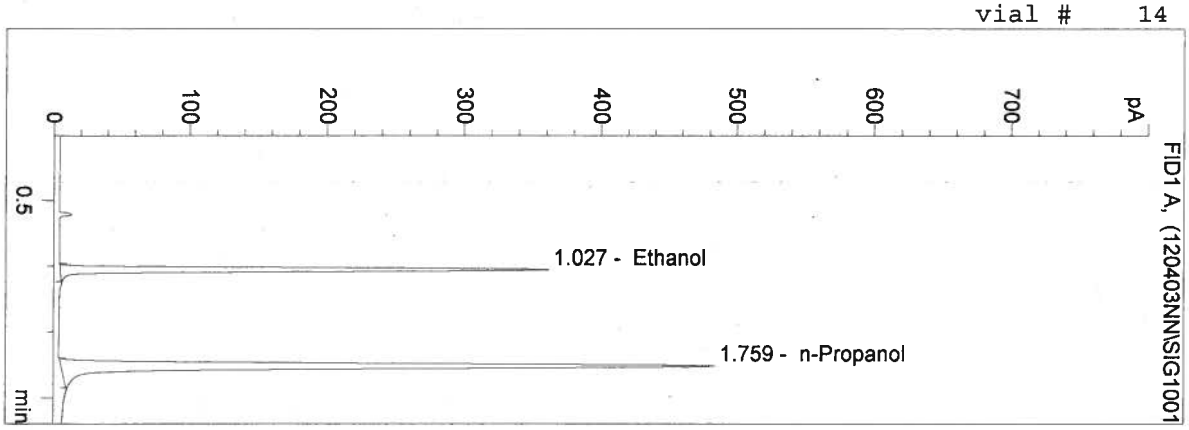
4/3/12
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

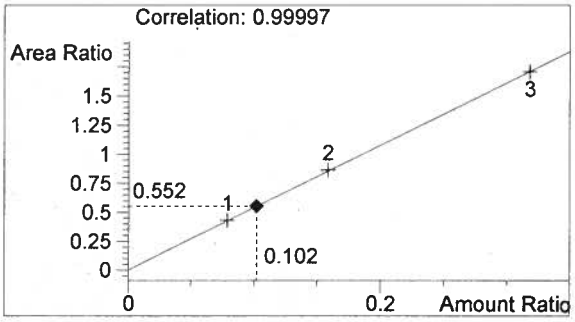
C:\HPCHEM\2\METHODS\SIMALC3.M
4/3/2012 9:04:58 AM
Instrument 3
DB-ALC2

ESS 12014-5
Naziha Nuwayhid, PhD

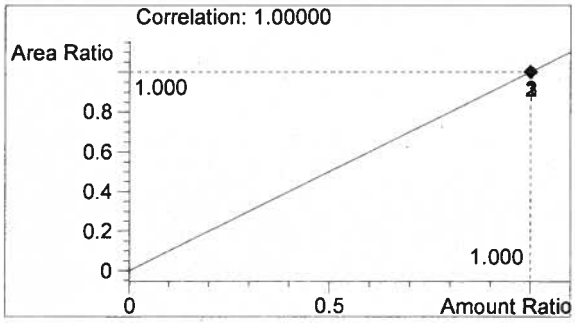
vial # 14



#	Compound	Area	RT
1	Ethanol	730	1.027
2	n-Propanol	1324	1.759
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

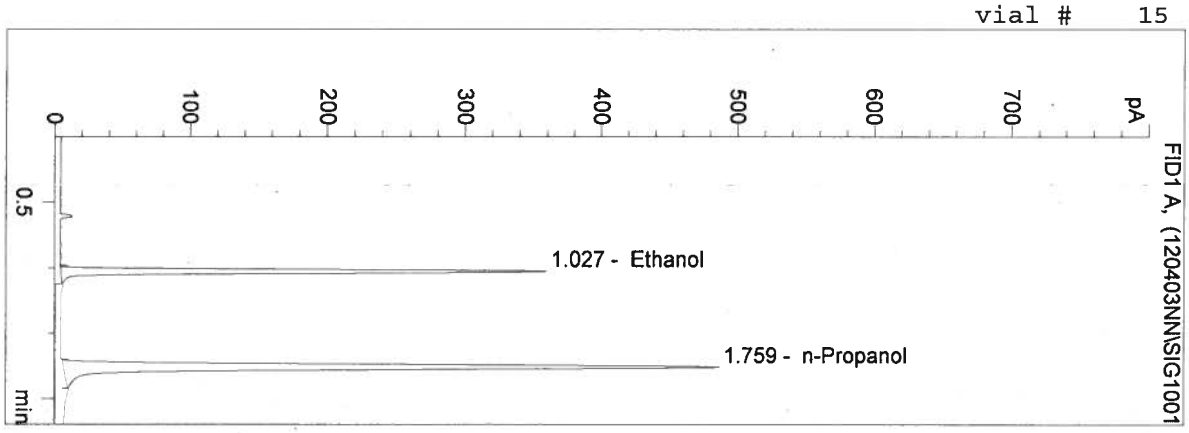
4/3/12
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

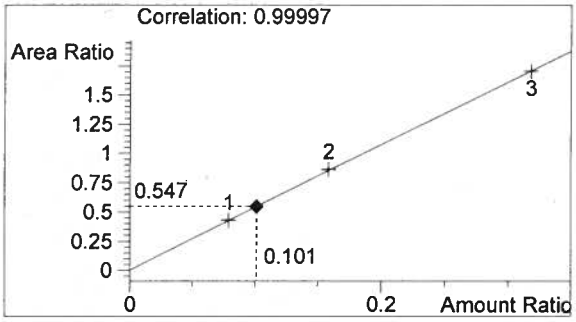
C:\HPCHEM\2\METHODS\SIMALC3.M
4/3/2012 9:08:05 AM
Instrument 3
DB-ALC2

0.10 CTL-NN
Naziha Nuwayhid, PhD

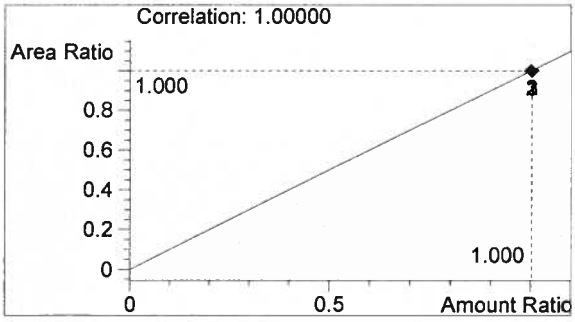
vial # 15



#	Compound	Area	RT
1	Ethanol	725	1.027
2	n-Propanol	1325	1.759
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

12014

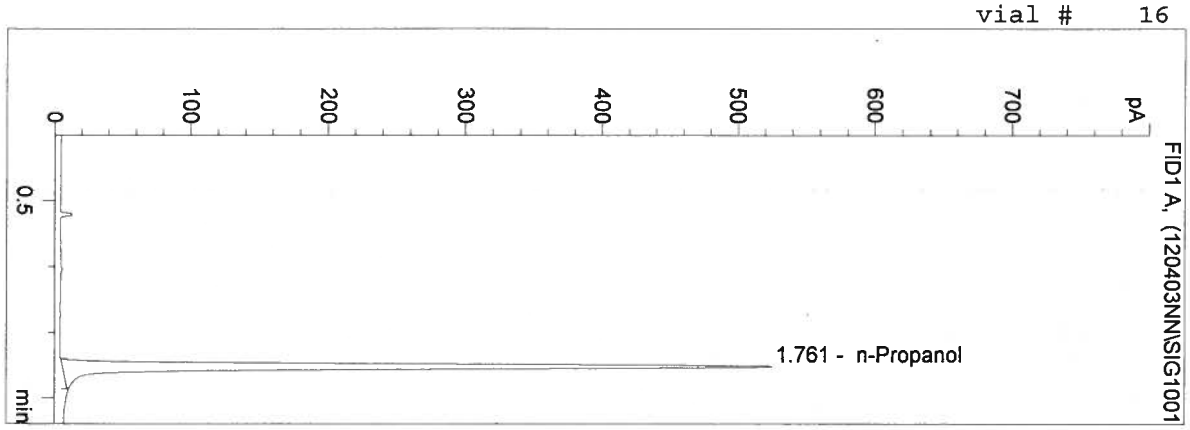
4/3/12
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

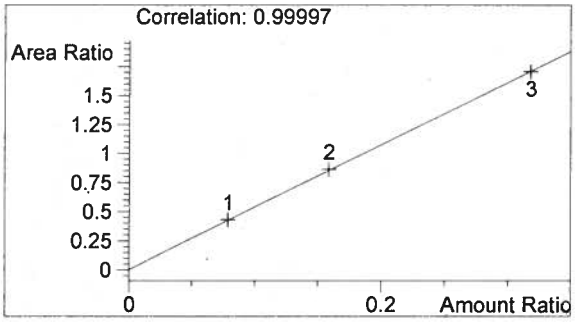
C:\HPCHEM\2\METHODS\SIMALC3.M
4/3/2012 9:11:13 AM
Instrument 3
DB-ALC2

NEG CTL-NN
Naziha Nuwayhid, PhD

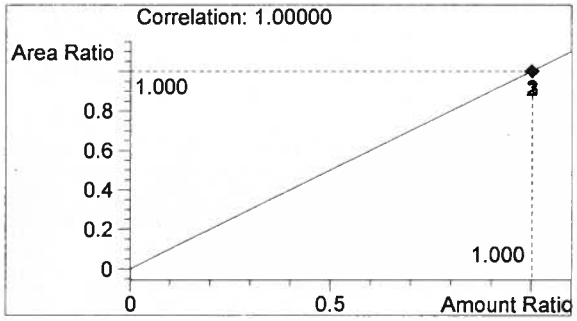
vial # 16



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1432	1.761
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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NN
4/12/12